



NASIONALE SENIOR CERTIFIKAAT-EKSAMEN
NOVEMBER 2020

INLIGTINGSTEGNOLOGIE: VRAESTEL II

INSTRUKSIES AAN ONDERWYSERS EN HOOFOPSIENERS

AAN DIE ONDERWYSER VERANTWOORDELIK VIR KANDIDATE IN DIE INLIGTINGSTEGNOLOGIE PRAKTIESE EKSAMEN

INSTRUKSIES AANGAANDE DATALÊERS WAT VOORSIEN IS IN DIE IEB ELEKTRONIESE POSBUS: ASSESSERINGSMATERIAAL

Jy is voorsien van lêers in die IEB elektroniese posbus. Dit is die verantwoordelikheid van die Inligtingstegnologie-onderwyser om **twee dae voor die eksamen** te kontroleer dat hy/sy die lêers kan oopmaak en dat die lêers deur die betrokke toepassings gelees kan word. Drukstukke van die lêers word verskaf, wat op bladsy 3 in hierdie dokument begin. Die besonderhede van die lêers is soos volg:

Lêers vir leerders: Raadpleeg asseblief die gidse in die IEB elektroniese posbus. Hier volg slegs die belangrike lêers.

Afdeling A:

HoopDB_Access.mdb
HoopDB_JavaDB.txt
HoopDB_MySQL.txt
SQLAntwoordblad.rtf
SQLBlaaier.exe

Afdeling B:

kliente.txt
beraders.txt

Indien jy enige probleme ondervind om toegang te verkry tot die lêers in die IEB elektroniese posbus, verwittig die IEB asseblief onmiddellik.

Afsonderlike kopieë van hierdie lêers sal benodig word deur elke kandidaat wat die Inligtingstegnologie Praktiese Eksamen (Vraestel II) aflê. Kopieer asseblief die toepaslike lêers op die skyfspasie wat eksklusief deur elke kandidaat gebruik gaan word.

Vertroulikheid is van die uiterste belang. Kandidate moet onder geen omstandighede voor die eksamen toegang tot hierdie lêers hê nie.

Na afloop van die eksamen:

1. 'n Rugsteunkopie van elke kandidaat se werk moet ook gemaak word en by die skool op geskikte stoormedia gehou word tot 31 Maart 2021 wanneer die hernasiening afgehandel is.
2. Die kandidate moet 'n kodelys druk van al die programme/klasse wat hulle gekodeer het. Hulle sal na afloop van die eksamen 'n halfuur ontvang om te druk. Hierdie drukstukke moet in die elektroniese sak geplaas word waarin die vraestelle afgelewer is.

LÊERS VIR LEERDERS

Die volgende bladsye bevat die drukstukke van die data wat aan elkeen van die kandidate voorsien word.

AFDELING A

HoopDB_Access.mdb

KLIENT-tabel

Data kan na gelang van die instellings anders geformateer wees op jou rekenaar.

KlientID	KlientNaam	Ouderdom	Poskode
1	John Dlamini	15	0140
2	Leo Sithole	22	1240
3	Steve Jacobs	21	0125
4	Pat Khumalo	23	1251
5	Sipho Nkosi	14	1240
6	Musi Mahlangu	38	0120
7	Sibongile Ngcobo	25	1240
8	Lindewe Khoza	18	1500
9	Johannes Botha	33	1600
10	Bongani Radebe	32	1500
11	Caleb Pillay	31	1600
12	Anna Mthembu	45	0180
13	Thabo Baloyi	37	0158
14	Mpho Sithole	14	1250
15	Peter Zwane	30	1240
16	Maria Nkosi	21	0152
17	Samuel Naidoo	16	1600
18	Patricia Williams	17	0120
19	Joseph Mkhize	31	0140
20	Zenele Ndlovu	42	0140
21	Daniel Dlamini	45	1500
22	Jabu Chauke	35	1600
23	Willem du Plessis	23	1600
24	Jan Venter	31	1250
25	Linda Gumede	13	0180
26	Zandile Methembu	22	1600
27	Robert Maseko	16	1250
28	Cynthia Fourie	18	1500
29	Nomsa Baloyi	14	1240
30	Bongiwe Mokoena	25	0160
31	Al Naidoo	23	0127
32	Phindile Ntuli	15	0180
33	Bianca Abrahams	22	0160
34	Freddy Chetty	17	0160
35	Moses Sibisi	31	0121
36	Vusi Khumalo	13	1240
37	Hendrick van Zyl	27	0180
38	Lucky Shabangu	16	0123

BERADER-tabel

Data kan na gelang van die instellings anders geformateer wees op jou rekenaar.

BeraderID	BeraderNaam	Tarief
1	Vernon Booyesen	150
2	Matthew Kunene	180
3	Heather Modise	150
4	Siyanda Mabuza	120
5	Joshua Hendricks	120
6	Thabo Matlala	150
7	Michael Mabasa	180
8	Sibu Ndou	140
9	Xolani Nzimande	150
10	Linda September	120
11	Patrick Ntuli	0

AFSPRAAK-tabel

Data kan na gelang van die instellings anders geformateer wees op jou rekenaar.

AfspraakID	KlientID	BeraderID	AfspraakDatum	Plek
1	1	2	14-10-2020	Bergsig
2	3	2	14-10-2020	Bergsig
3	11	2	14-10-2020	Bergsig
4	34	2	14-10-2020	Bergsig
5	2	5	14-10-2020	Greenside
6	5	5	14-10-2020	Greenside
7	24	5	14-10-2020	Greenside
8	29	5	14-10-2020	Greenside
9	36	5	14-10-2020	Greenside
10	19	1	15-10-2020	Bergsig
11	37	1	15-10-2020	Bergsig
12	38	1	15-10-2020	Bergsig
13	12	2	15-10-2020	Bergsig
14	18	2	15-10-2020	Bergsig
15	34	2	15-10-2020	Bergsig
16	4	7	15-10-2020	Greenside
17	15	7	15-10-2020	Greenside
18	27	7	15-10-2020	Greenside
19	20	2	16-10-2020	Bergsig
20	33	2	16-10-2020	Bergsig
21	35	2	16-10-2020	Bergsig
22	8	4	16-10-2020	Panorama
23	2	5	16-10-2020	Greenside
24	25	2	19-10-2020	Bergsig
25	30	2	19-10-2020	Bergsig
26	1	2	20-10-2020	Bergsig
27	12	2	20-10-2020	Bergsig
28	18	2	20-10-2020	Bergsig

AfspraakID	KlientID	BeraderID	AfspraakDatum	Plek
29	8	4	20-10-2020	Panorama
30	17	4	20-10-2020	Panorama
31	23	4	20-10-2020	Panorama
32	24	4	20-10-2020	Panorama
33	24	5	20-10-2020	Greenside
34	29	5	20-10-2020	Greenside
35	14	6	20-10-2020	Greenside
36	4	7	20-10-2020	Greenside
37	1	1	21-10-2020	Bergsig
38	3	1	21-10-2020	Bergsig
39	6	1	21-10-2020	Bergsig
40	12	1	21-10-2020	Bergsig
41	19	1	21-10-2020	Bergsig
42	9	8	22-10-2020	Panorama
43	19	1	23-10-2020	Bergsig
44	25	2	23-10-2020	Bergsig
45	30	2	23-10-2020	Bergsig
46	8	4	23-10-2020	Panorama
47	22	4	23-10-2020	Panorama
48	9	8	23-10-2020	Panorama
49	21	8	23-10-2020	Panorama
50	28	8	23-10-2020	Panorama
51	18	2	26-10-2020	Bergsig
52	30	2	26-10-2020	Bergsig
53	8	4	26-10-2020	Panorama
54	17	4	26-10-2020	Panorama
55	2	5	26-10-2020	Greenside
56	24	5	26-10-2020	Greenside
57	29	5	26-10-2020	Greenside
58	4	7	26-10-2020	Greenside
59	15	7	26-10-2020	Greenside
60	27	7	26-10-2020	Greenside
61	10	10	26-10-2020	Panorama
62	22	10	26-10-2020	Panorama
63	6	1	27-10-2020	Bergsig
64	12	1	27-10-2020	Bergsig
65	19	1	27-10-2020	Bergsig
66	32	1	27-10-2020	Bergsig
67	1	3	27-10-2020	Bergsig
68	31	3	27-10-2020	Bergsig
69	14	6	27-10-2020	Greenside
70	29	6	27-10-2020	Greenside
71	4	7	27-10-2020	Greenside
72	15	7	27-10-2020	Greenside
73	21	8	27-10-2020	Panorama
74	10	10	27-10-2020	Panorama
75	22	10	27-10-2020	Panorama
76	31	3	28-10-2020	Bergsig

HoopDB_JavaDB.txt

```
CREATE TABLE KLIENT (  
    KlientID INTEGER NOT NULL primary key  
        generated always as identity  
        (start with 1, increment by 1),  
    KlientNaam VARCHAR(100),  
    Ouderdom INTEGER,  
    Poskode VARCHAR(4)  
);  
  
INSERT INTO KLIENT (KlientNaam, Ouderdom, Poskode) VALUES  
( 'John Dlamini', 15, '0140'),  
( 'Leo Sithole', 22, '1240'),  
( 'Steve Jacobs', 21, '0125'),  
( 'Pat Khumalo', 23, '1251'),  
( 'Sipho Nkosi', 14, '1240'),  
( 'Musi Mahlangu', 38, '0120'),  
( 'Sibongile Ngcobo', 25, '1240'),  
( 'Lindewe Khoza', 18, '1500'),  
( 'Johannes Botha', 33, '1600'),  
( 'Bongani Radebe', 32, '1500'),  
( 'Caleb Pillay', 31, '1600'),  
( 'Anna Mthembu', 45, '0180'),  
( 'Thabo Baloyi', 37, '0158'),  
( 'Mpho Sithole', 14, '1250'),  
( 'Peter Zwane', 30, '1240'),  
( 'Maria Nkosi', 21, '0152'),  
( 'Samuel Naidoo', 16, '1600'),  
( 'Patricia Williams', 17, '0120'),  
( 'Joseph Mkhize', 31, '0140'),  
( 'Zenele Ndlovu', 42, '0140'),  
( 'Daniel Dlamini', 45, '1500'),  
( 'Jabu Chauke', 35, '1600'),  
( 'Willem du Plessis', 23, '1600'),  
( 'Jan Venter', 31, '1250'),  
( 'Linda Gumede', 13, '0180'),  
( 'Zandile Methembu', 22, '1600'),  
( 'Robert Maseko', 16, '1250'),  
( 'Cynthia Fourie', 18, '1500'),  
( 'Nomsa Baloyi', 14, '1240'),  
( 'Bongiwe Mokoena', 25, '0160'),  
( 'Al Naidoo', 23, '0127'),  
( 'Phindile Ntuli', 15, '0180'),  
( 'Bianca Abrahams', 22, '0160'),  
( 'Freddy Chetty', 17, '0160'),  
( 'Moses Sibisi', 31, '0121'),  
( 'Vusi Khumalo', 13, '1240'),  
( 'Hendrick van Zyl', 27, '0180'),  
( 'Lucky Shabangu', 16, '0123');  
  
CREATE TABLE BERADER (  
    BeraderID INTEGER NOT NULL primary key  
        generated always as identity  
        (start with 1, increment by 1),  
    BeraderNaam VARCHAR(100),  
    Tarief DOUBLE  
);  
  
INSERT INTO BERADER (BeraderNaam, Tarief) VALUES  
( 'Vernon Booysen', 150),  
( 'Matthew Kunene', 180),  
( 'Heather Modise', 150),
```

```
('Siyanda Mabuza', 120),
('Joshua Hendricks', 120),
('Thabo Matlala', 150),
('Michael Mabasa', 180),
('Sibu Ndou', 140),
('Xolani Nzimande', 150),
('Linda September', 120),
('Patrick Ntuli', 0);
```

```
CREATE TABLE AFSPRAAK (
    AfspraakID INTEGER NOT NULL primary key
        generated always as identity
        (start with 1, increment by 1),
    KlientID INTEGER,
    BeraderID INTEGER,
    AfspraakDatum DATE,
    Plek VARCHAR(25)
);
```

```
INSERT INTO AFSPRAAK (KlientID, BeraderID, AfspraakDatum, Plek) VALUES
(1,2,'2020-10-14','Bergsig'),
(3,2,'2020-10-14','Bergsig'),
(11,2,'2020-10-14','Bergsig'),
(34,2,'2020-10-14','Bergsig'),
(2,5,'2020-10-14','Greenside'),
(5,5,'2020-10-14','Greenside'),
(24,5,'2020-10-14','Greenside'),
(29,5,'2020-10-14','Greenside'),
(36,5,'2020-10-14','Greenside'),
(19,1,'2020-10-15','Bergsig'),
(37,1,'2020-10-15','Bergsig'),
(38,1,'2020-10-15','Bergsig'),
(12,2,'2020-10-15','Bergsig'),
(18,2,'2020-10-15','Bergsig'),
(34,2,'2020-10-15','Bergsig'),
(4,7,'2020-10-15','Greenside'),
(15,7,'2020-10-15','Greenside'),
(27,7,'2020-10-15','Greenside'),
(20,2,'2020-10-16','Bergsig'),
(33,2,'2020-10-16','Bergsig'),
(35,2,'2020-10-16','Bergsig'),
(8,4,'2020-10-16','Panorama'),
(2,5,'2020-10-16','Greenside'),
(25,2,'2020-10-19','Bergsig'),
(30,2,'2020-10-19','Bergsig'),
(1,2,'2020-10-20','Bergsig'),
(12,2,'2020-10-20','Bergsig'),
(18,2,'2020-10-20','Bergsig'),
(8,4,'2020-10-20','Panorama'),
(17,4,'2020-10-20','Panorama'),
(23,4,'2020-10-20','Panorama'),
(24,4,'2020-10-20','Panorama'),
(24,5,'2020-10-20','Greenside'),
(29,5,'2020-10-20','Greenside'),
(14,6,'2020-10-20','Greenside'),
(4,7,'2020-10-20','Greenside'),
(1,1,'2020-10-21','Bergsig'),
(3,1,'2020-10-21','Bergsig'),
(6,1,'2020-10-21','Bergsig'),
(12,1,'2020-10-21','Bergsig'),
(19,1,'2020-10-21','Bergsig'),
(9,8,'2020-10-22','Panorama'),
```

```
(19,1,'2020-10-23','Bergsig'),  
(25,2,'2020-10-23','Bergsig'),  
(30,2,'2020-10-23','Bergsig'),  
(8,4,'2020-10-23','Panorama'),  
(22,4,'2020-10-23','Panorama'),  
(9,8,'2020-10-23','Panorama'),  
(21,8,'2020-10-23','Panorama'),  
(28,8,'2020-10-23','Panorama'),  
(18,2,'2020-10-26','Bergsig'),  
(30,2,'2020-10-26','Bergsig'),  
(8,4,'2020-10-26','Panorama'),  
(17,4,'2020-10-26','Panorama'),  
(2,5,'2020-10-26','Greenside'),  
(24,5,'2020-10-26','Greenside'),  
(29,5,'2020-10-26','Greenside'),  
(4,7,'2020-10-26','Greenside'),  
(15,7,'2020-10-26','Greenside'),  
(27,7,'2020-10-26','Greenside'),  
(10,10,'2020-10-26','Panorama'),  
(22,10,'2020-10-26','Panorama'),  
(6,1,'2020-10-27','Bergsig'),  
(12,1,'2020-10-27','Bergsig'),  
(19,1,'2020-10-27','Bergsig'),  
(32,1,'2020-10-27','Bergsig'),  
(1,3,'2020-10-27','Bergsig'),  
(31,3,'2020-10-27','Bergsig'),  
(14,6,'2020-10-27','Greenside'),  
(29,6,'2020-10-27','Greenside'),  
(4,7,'2020-10-27','Greenside'),  
(15,7,'2020-10-27','Greenside'),  
(21,8,'2020-10-27','Panorama'),  
(10,10,'2020-10-27','Panorama'),  
(22,10,'2020-10-27','Panorama'),  
(31,3,'2020-10-28','Bergsig');
```


HoopDB_MySQL.txt

```
CREATE TABLE `KLIENT` (  
  `KlientID` int(11) NOT NULL,  
  `KlientNaam` varchar(100) NOT NULL,  
  `Ouderdom` int(11) NOT NULL,  
  `Poskode` varchar(4) NOT NULL  
) ENGINE=InnoDB DEFAULT CHARSET=utf8;  
  
INSERT INTO `KLIENT` (`KlientID`, `KlientNaam`, `Ouderdom`, `Poskode`) VALUES  
(1, 'John Dlamini', 15, '0140'),  
(2, 'Leo Sithole', 22, '1240'),  
(3, 'Steve Jacobs', 21, '0125'),  
(4, 'Pat Khumalo', 23, '1251'),  
(5, 'Sipho Nkosi', 14, '1240'),  
(6, 'Musi Mahlangu', 38, '0120'),  
(7, 'Sibongile Ngcobo', 25, '1240'),  
(8, 'Lindewe Khoza', 18, '1500'),  
(9, 'Johannes Botha', 33, '1600'),  
(10, 'Bongani Radebe', 32, '1500'),  
(11, 'Caleb Pillay', 31, '1600'),  
(12, 'Anna Mthembu', 45, '0180'),  
(13, 'Thabo Baloyi', 37, '0158'),  
(14, 'Mpho Sithole', 14, '1250'),  
(15, 'Peter Zwane', 30, '1240'),  
(16, 'Maria Nkosi', 21, '0152'),  
(17, 'Samuel Naidoo', 16, '1600'),  
(18, 'Patricia Williams', 17, '0120'),  
(19, 'Joseph Mkhize', 31, '0140'),  
(20, 'Zenele Ndlovu', 42, '0140'),  
(21, 'Daniel Dlamini', 45, '1500'),  
(22, 'Jabu Chauke', 35, '1600'),  
(23, 'Willem du Plessis', 23, '1600'),  
(24, 'Jan Venter', 31, '1250'),  
(25, 'Linda Gumede', 13, '0180'),  
(26, 'Zandile Methembu', 22, '1600'),  
(27, 'Robert Maseko', 16, '1250'),  
(28, 'Cynthia Fourie', 18, '1500'),  
(29, 'Nomsa Baloyi', 14, '1240'),  
(30, 'Bongiwe Mokoena', 25, '0160'),  
(31, 'Al Naidoo', 23, '0127'),  
(32, 'Phindile Ntuli', 15, '0180'),  
(33, 'Bianca Abrahams', 22, '0160'),  
(34, 'Freddy Chetty', 17, '0160'),  
(35, 'Moses Sibisi', 31, '0121'),  
(36, 'Vusi Khumalo', 13, '1240'),  
(37, 'Hendrick van Zyl', 27, '0180'),  
(38, 'Lucky Shabangu', 16, '0123');  
  
CREATE TABLE `BERADER` (  
  `BeraderID` int(11) NOT NULL,  
  `BeraderNaam` varchar(100) NOT NULL,  
  `Tarief` double NOT NULL  
) ENGINE=InnoDB DEFAULT CHARSET=utf8;  
  
INSERT INTO `BERADER` (`BeraderID`, `BeraderNaam`, `Tarief`) VALUES  
(1, 'Vernon Booysen', 150),  
(2, 'Matthew Kunene', 180),  
(3, 'Heather Modise', 150),  
(4, 'Siyanda Mabuza', 120),  
(5, 'Joshua Hendricks', 120),  
(6, 'Thabo Matlala', 150),  
(7, 'Michael Mabasa', 180),
```

```
(8, 'Sibu Ndou', 140),
(9, 'Xolani Nzimande', 150),
(10, 'Linda September', 120),
(11, 'Patrick Ntuli', 0);
```

```
CREATE TABLE `AFSPRAAK` (
  `AfspraakID` int(11) NOT NULL,
  `KlientID` int(11) NOT NULL,
  `BeraderID` int(11) NOT NULL,
  `AfspraakDatum` date NOT NULL,
  `Plek` varchar(25) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8;
```

```
INSERT INTO `AFSPRAAK` (`AfspraakID`, `KlientID`, `BeraderID`, `AfspraakDatum`,
`Plek`) VALUES
(1, 1, 2, '2020-10-14', 'Bergsig'),
(2, 3, 2, '2020-10-14', 'Bergsig'),
(3, 11, 2, '2020-10-14', 'Bergsig'),
(4, 34, 2, '2020-10-14', 'Bergsig'),
(5, 2, 5, '2020-10-14', 'Greenside'),
(6, 5, 5, '2020-10-14', 'Greenside'),
(7, 24, 5, '2020-10-14', 'Greenside'),
(8, 29, 5, '2020-10-14', 'Greenside'),
(9, 36, 5, '2020-10-14', 'Greenside'),
(10, 19, 1, '2020-10-15', 'Bergsig'),
(11, 37, 1, '2020-10-15', 'Bergsig'),
(12, 38, 1, '2020-10-15', 'Bergsig'),
(13, 12, 2, '2020-10-15', 'Bergsig'),
(14, 18, 2, '2020-10-15', 'Bergsig'),
(15, 34, 2, '2020-10-15', 'Bergsig'),
(16, 4, 7, '2020-10-15', 'Greenside'),
(17, 15, 7, '2020-10-15', 'Greenside'),
(18, 27, 7, '2020-10-15', 'Greenside'),
(19, 20, 2, '2020-10-16', 'Bergsig'),
(20, 33, 2, '2020-10-16', 'Bergsig'),
(21, 35, 2, '2020-10-16', 'Bergsig'),
(22, 8, 4, '2020-10-16', 'Panorama'),
(23, 2, 5, '2020-10-16', 'Greenside'),
(24, 25, 2, '2020-10-19', 'Bergsig'),
(25, 30, 2, '2020-10-19', 'Bergsig'),
(26, 1, 2, '2020-10-20', 'Bergsig'),
(27, 12, 2, '2020-10-20', 'Bergsig'),
(28, 18, 2, '2020-10-20', 'Bergsig'),
(29, 8, 4, '2020-10-20', 'Panorama'),
(30, 17, 4, '2020-10-20', 'Panorama'),
(31, 23, 4, '2020-10-20', 'Panorama'),
(32, 24, 4, '2020-10-20', 'Panorama'),
(33, 24, 5, '2020-10-20', 'Greenside'),
(34, 29, 5, '2020-10-20', 'Greenside'),
(35, 14, 6, '2020-10-20', 'Greenside'),
(36, 4, 7, '2020-10-20', 'Greenside'),
(37, 1, 1, '2020-10-21', 'Bergsig'),
(38, 3, 1, '2020-10-21', 'Bergsig'),
(39, 6, 1, '2020-10-21', 'Bergsig'),
(40, 12, 1, '2020-10-21', 'Bergsig'),
(41, 19, 1, '2020-10-21', 'Bergsig'),
(42, 9, 8, '2020-10-22', 'Panorama'),
(43, 19, 1, '2020-10-23', 'Bergsig'),
(44, 25, 2, '2020-10-23', 'Bergsig'),
(45, 30, 2, '2020-10-23', 'Bergsig'),
(46, 8, 4, '2020-10-23', 'Panorama'),
(47, 22, 4, '2020-10-23', 'Panorama'),
(48, 9, 8, '2020-10-23', 'Panorama'),
(49, 21, 8, '2020-10-23', 'Panorama'),
```

```
(50, 28, 8, '2020-10-23', 'Panorama'),  
(51, 18, 2, '2020-10-26', 'Bergsig'),  
(52, 30, 2, '2020-10-26', 'Bergsig'),  
(53, 8, 4, '2020-10-26', 'Panorama'),  
(54, 17, 4, '2020-10-26', 'Panorama'),  
(55, 2, 5, '2020-10-26', 'Greenside'),  
(56, 24, 5, '2020-10-26', 'Greenside'),  
(57, 29, 5, '2020-10-26', 'Greenside'),  
(58, 4, 7, '2020-10-26', 'Greenside'),  
(59, 15, 7, '2020-10-26', 'Greenside'),  
(60, 27, 7, '2020-10-26', 'Greenside'),  
(61, 10, 10, '2020-10-26', 'Panorama'),  
(62, 22, 10, '2020-10-26', 'Panorama'),  
(63, 6, 1, '2020-10-27', 'Bergsig'),  
(64, 12, 1, '2020-10-27', 'Bergsig'),  
(65, 19, 1, '2020-10-27', 'Bergsig'),  
(66, 32, 1, '2020-10-27', 'Bergsig'),  
(67, 1, 3, '2020-10-27', 'Bergsig'),  
(68, 31, 3, '2020-10-27', 'Bergsig'),  
(69, 14, 6, '2020-10-27', 'Greenside'),  
(70, 29, 6, '2020-10-27', 'Greenside'),  
(71, 4, 7, '2020-10-27', 'Greenside'),  
(72, 15, 7, '2020-10-27', 'Greenside'),  
(73, 21, 8, '2020-10-27', 'Panorama'),  
(74, 10, 10, '2020-10-27', 'Panorama'),  
(75, 22, 10, '2020-10-27', 'Panorama'),  
(76, 31, 3, '2020-10-28', 'Bergsig');
```

```
ALTER TABLE `AFSPRAAK` ADD PRIMARY KEY (`AfspraakID`);  
ALTER TABLE `KLIENT` ADD PRIMARY KEY (`KlientID`);  
ALTER TABLE `BERADER` ADD PRIMARY KEY (`BeraderID`);
```

```
ALTER TABLE `AFSPRAAK`  
  MODIFY `AfspraakID` int(11) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=77;  
ALTER TABLE `KLIENT`  
  MODIFY `KlientID` int(11) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=39;  
ALTER TABLE `BERADER`  
  MODIFY `BeraderID` int(11) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=12
```

AFDELING B

kliente.txt

John Dlamini
Vernon Booysen
10
Leo Sithole
Matthew Kunene
13
Steve Jacobs
Vernon Booysen
8
Pat Khumalo
Heather Modise
6
Sipho Nkosi
Vernon Booysen
18
Musi Mahlangu
Joshua Hendricks
9
Sibongile Ngcobo
Joshua Hendricks
8
Lindewe Khoza
Siyanda Mabuza
10
Johannes Botha
Vernon Booysen
10
Bongani Radebe
Heather Modise
9
Caleb Pillay
Vernon Booysen
9
Anna Mthembu
Siyanda Mabuza
11
Thabo Baloyi
Heather Modise
12
Mpho Sithole
Matthew Kunene
12
Peter Zwane
Vernon Booysen
9
Maria Nkosi
Joshua Hendricks
14
Samuel Naidoo
Vernon Booysen
9
Patricia Williams
Heather Modise
8
Joseph Mkhize
Matthew Kunene
7
Zenele Ndlovu
Siyanda Mabuza
14

beraders.txt

Vernon Booysen,Matthew Kunene,Heather Modise,Siyanda Mabuza,Joshua Hendricks