דו"ח פעילות – מיני פרויקט בבסיסי נתונים

השכרת רכב

Daniel strauss 212126312
Shmuel verse 1666859

תוכן עניינים

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תיאור המערכת

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המערכת להשכרת רכב אחראית על מספר דברים

1 בהזמנות צריך לבדוק שללקוח יש רישיון שאין לו עבר מפוקפק שיש את הרכב שהוא רוצה ואת דרך התשלום

2 טיפולים מלאי רכבים ולבדוק שהרכבים טובים ועוברים טיפולים שותפים

3 שירות לקוחות הזמנות ביטולים תאונות מלאי רכבים סניפים

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CAR RENTAL

ERD

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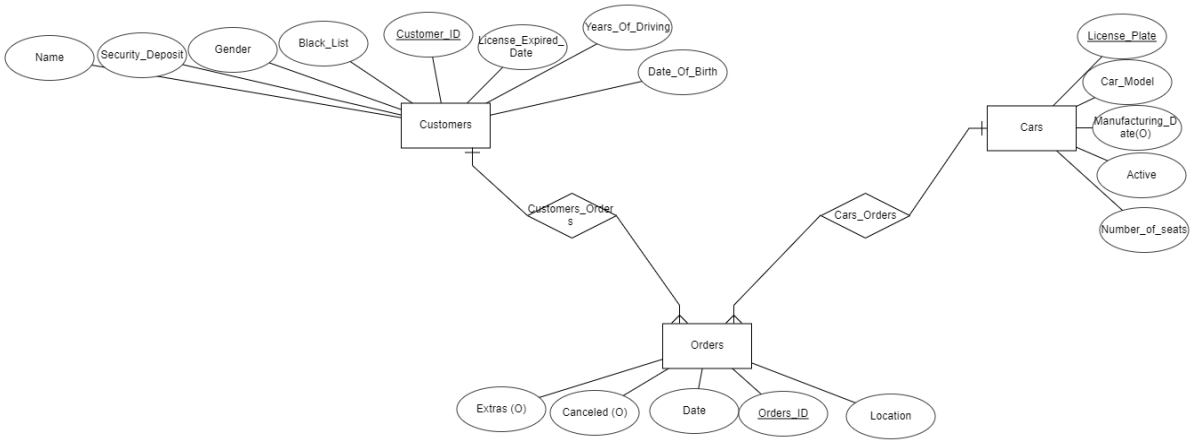
CAR RENTAL



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DSD

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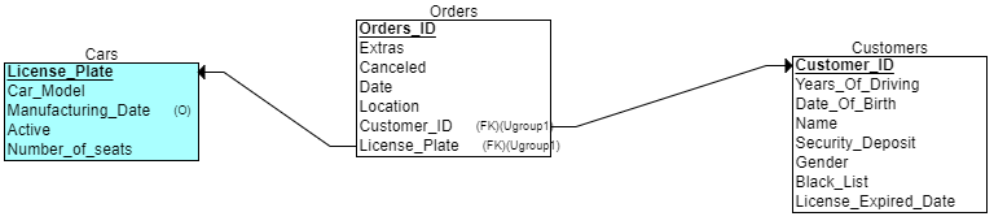

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CREATE TABLES

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```
CREATE TABLE Customers
(
  Years_Of_Driving NUMERIC(2) NOT NULL,
  Date_Of_Birth DATE NOT NULL,
  Name VARCHAR(20) NOT NULL,
  Security_Deposit NUMERIC(1) NOT NULL,
  Gender VARCHAR(10) NOT NULL,
  Black_List NUMERIC(1) NOT NULL,
  Customer_ID INT NOT NULL,
  License_Expired_Date DATE NOT NULL,
  PRIMARY KEY (Customer_ID)
);
CREATE TABLE Cars
(
 License_Plate NUMERIC(20) NOT NULL,
 Car_Model VARCHAR(10) NOT NULL,
 Manufacturing_Date DATE,
 Active NUMERIC(1) NOT NULL,
 Number_of_seats NUMERIC(2) NOT NULL,
 PRIMARY KEY (License_Plate)
);

CREATE TABLE Orders
(
  Extras VARCHAR(20) NOT NULL,
  Canceled NUMERIC(1) NOT NULL,
  Date_Of_Orders DATE NOT NULL,
  Orders_ID INT NOT NULL,
  Location VARCHAR(20) NOT NULL,
  Customer_ID INT NOT NULL,
  License_Plate NUMERIC(20) NOT NULL,
  PRIMARY KEY (Orders_ID),
  FOREIGN KEY (Customer_ID) REFERENCES Customers(Customer_ID),
  FOREIGN KEY (License_Plate) REFERENCES Cars(License_Plate),
  UNIQUE (Customer_ID, License_Plate)
);
```

DATA GENERATORS

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CAR RENTAL

CARS

Owner: DASTRAUS | Table: CARS | Number of records: 20000

Name	Type	Size	Data	Master
LICENSE_PLATE	NUMBER	20	Sequence(0)	
CAR_MODEL	VARCHAR2	10	Components.Code	
MANUFACTURING_DA	DATE		Random('01/01/1948', '01/01/2005')	
ACTIVE	NUMBER	1	Random(0, 1)	
NUMBER_OF_SEATS	NUMBER	2	Random(1, 8)	

ORDERS

Owner: DASTRAUS | Table: ORDERS | Number of records: 20000

Name	Type	Size	Data	Master
EXTRAS	VARCHAR2	20	List('Booster', 'handicapped', 'Nothing')	
CANCELED	NUMBER	1	Random(0, 1)	
DATE_OF_ORDERS	DATE		Random('01/05/2022', '01/01/2023')	
ORDERS_ID	NUMBER		Sequence(0)	
LOCATION	CHAR	20	Address1	
CUSTOMER_ID	NUMBER		List(select Customer_ID from Customers)	
LICENSE_PLATE	NUMBER	20	List(select License_Plate from Cars)	

CUSTOMERS

Owner: DASTRAUS | Table: CUSTOMERS | Number of records: 20000

Name	Type	Size	Data	Master
YEARS_OF_DRIVING	NUMBER	2	Random(0, 30)	
DATE_OF_BIRTH	DATE		Random('01/01/1950', '01/01/2005')	
NAME	CHAR	20	FirstName + ' ' + LastName	
SECURITY_DEPOSIT	NUMBER	1	Random(0, 1)	
GENDER	VARCHAR2	10	List('male', 'female')	
BLACK_LIST	NUMBER	1	Random(0, 1)	
CUSTOMER_ID	NUMBER		Sequence(0)	
LICENSE_EXPIRED_DAT	DATE		Random('01/01/2022', '01/01/2030')	

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EXCEL

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CAR RENTAL

	A	B	C	D	E	F
1	License_Pl	Car_Mode	Manufacturi	Active	Number_of_seats	
2	20000	AA-0002	08/10/1996	0	4	
3	20001	AA-0002	08/12/1967	0	4	
4	20002	AA-0003	05/10/1950	0	4	
5	20003	AA-0004	26/02/1996	1	4	
6	20004	AA-0005	20/12/1996	0	7	
7	20005	AA-0006	23/04/1969	0	2	
8	20006	AA-0007	21/12/2003	0	4	
9	20007	AA-0008	18/07/1998	1	4	
10	20008	AA-0009	09/07/1979	0	4	
11	20009	AA-0010	28/07/1994	0	4	
12	20010	AA-0011	24/11/1948	0	4	

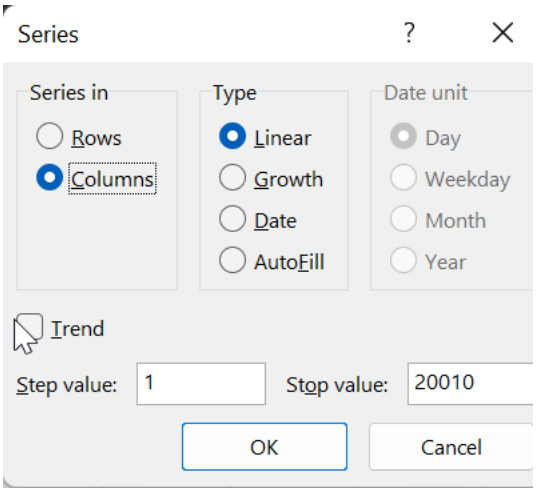
נסביר כיצד למלא כל טור

License_Plate

אנו צריכים לצור סדרה פשוטה אפשר להשתמש באפשרויות שיש בתוכנה

הוספות->מילוי

(FILL)



Car_Model

אנו צריכים סידרה יותר מסובכת שהיא מורכבת מהאותיות ואז קו אמצעי ואז סידרה מספרים אז נשתמש בנוסחה הבא

="AA-"&TEXT(ROWS(A$4:A4),"0000")

Manufacturing_Date

אנו צריכים ליצור תאריך אקראי בין שני תאריכים נשתמש בנוסחה הבא

=RANDBETWEEN(DATE(1970,1,1),DATE(2022,5,5))

(צריך לבדוק שההגדרות על מצב

(SHORT DATE

Active

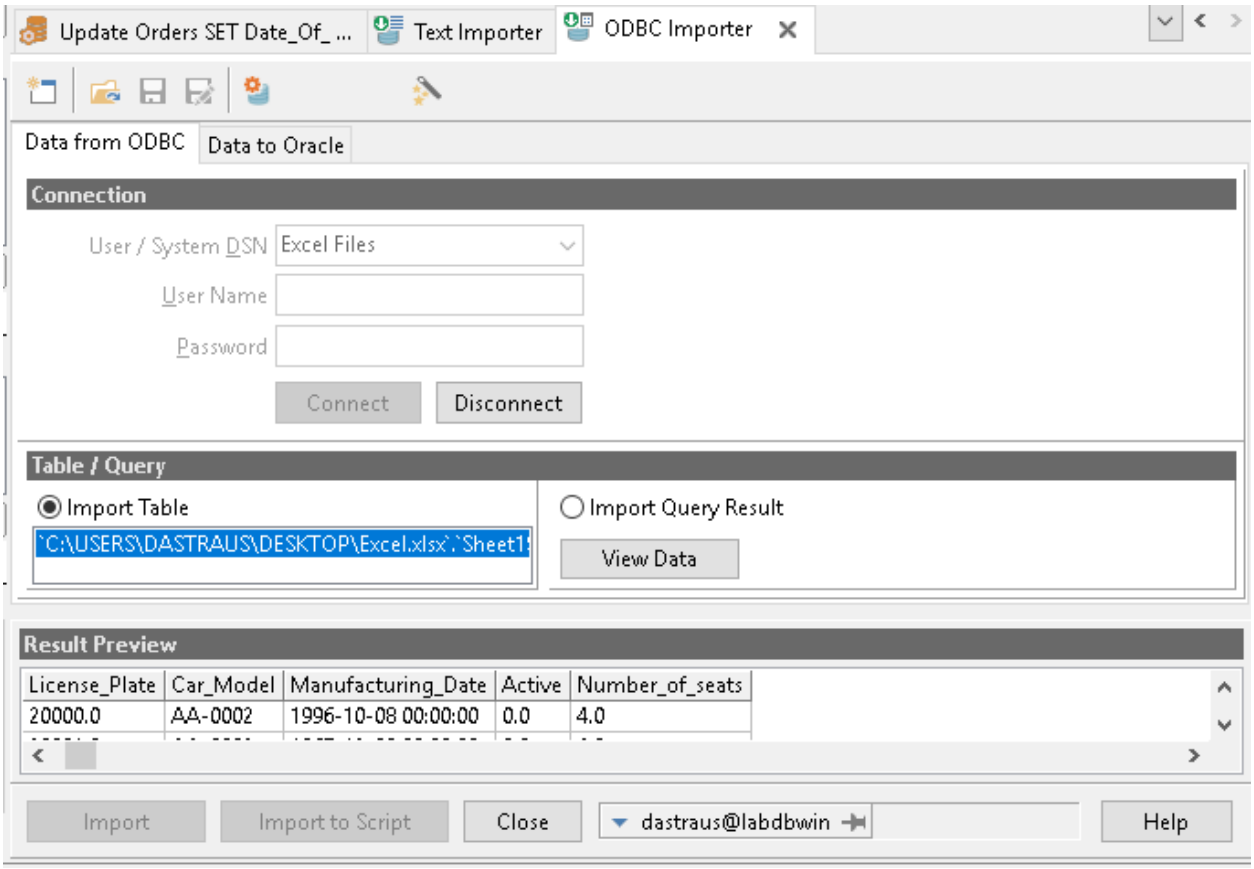
אנו צריכים ליצור מספר אקראי שהוא או 0 או 1

=randbetween(0,1)

Number_of_seats

אנו צריכים ליצור מספר אקראי שהוא בין 1 ל 8

=randbetween(1,8)



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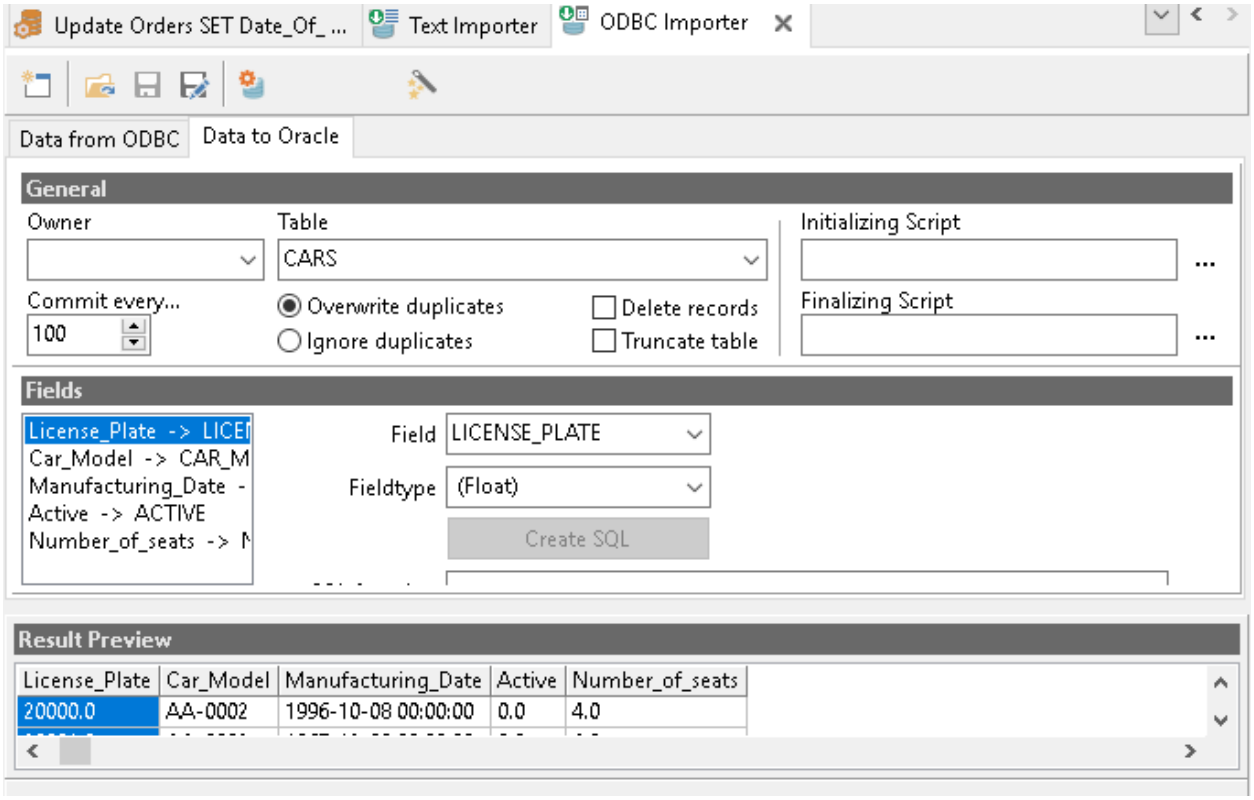

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CAR RENTAL

שאילתות

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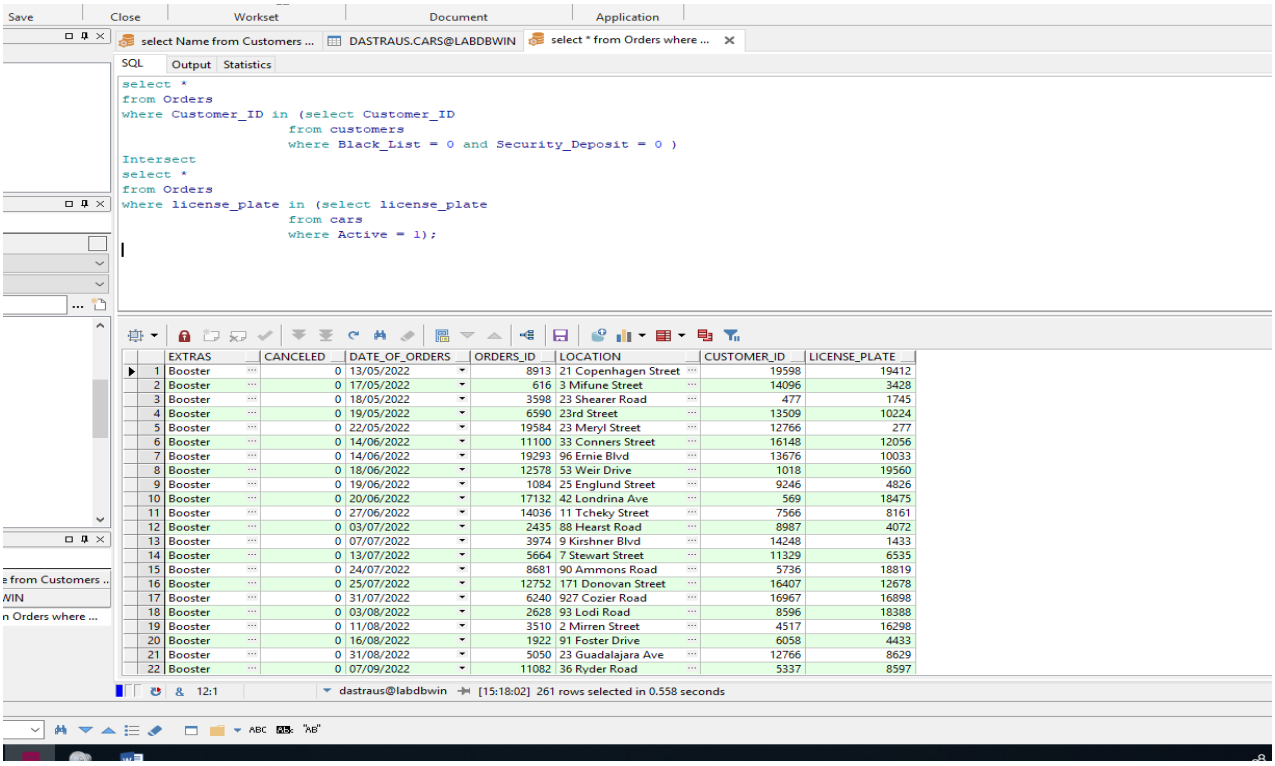
שאילתה 1:

מחזיר את כל ההזמנות כך שהלקוחות לא נמצאים ברשימה השחורה וגם יש להם משכון והרכב שלהם תקין

```
select *
from Orders
where Customer_ID in (select Customer_ID
                      from customers
                      where Black_List = 0 and Security_Deposit = 0 )
Intersect
select *
from Orders
where license_plate in (select license_plate
                      from cars
                      where Active = 1);
```



	EXTRAS	CANCELED	DATE_OF_ORDERS	ORDERS_ID	LOCATION	CUSTOMER_ID	LICENSE_PLATE
1	Booster	0	13/05/2022	8913	21 Copenhagen Street	19598	19412
2	Booster	0	17/05/2022	616	3 Mifune Street	14096	3428
3	Booster	0	18/05/2022	3598	23 Shearer Road	477	1745
4	Booster	0	19/05/2022	6590	23rd Street	13509	10224
5	Booster	0	22/05/2022	19584	23 Meryl Street	12766	277
6	Booster	0	14/06/2022	11100	33 Conners Street	16148	12056
7	Booster	0	14/06/2022	19293	96 Ernie Blvd	13676	10033
8	Booster	0	18/06/2022	12578	53 Weir Drive	1018	19560
9	Booster	0	19/06/2022	1084	25 Englund Street	9246	4826
10	Booster	0	20/06/2022	17132	42 Londrina Ave	569	18475
11	Booster	0	27/06/2022	14036	11 Tcheky Street	7566	8161
12	Booster	0	03/07/2022	2435	88 Hearst Road	8987	4072
13	Booster	0	07/07/2022	3974	9 Kirshner Blvd	14248	1433
14	Booster	0	13/07/2022	5664	7 Stewart Street	11329	6535
15	Booster	0	24/07/2022	8681	90 Ammons Road	5736	18819
16	Booster	0	25/07/2022	12752	171 Donovan Street	16407	12678
17	Booster	0	31/07/2022	6240	927 Cozier Road	16967	16898
18	Booster	0	03/08/2022	2628	93 Lodi Road	8596	18388
19	Booster	0	11/08/2022	3510	2 Mirren Street	4517	16298
20	Booster	0	16/08/2022	1922	91 Foster Drive	6058	4433
21	Booster	0	31/08/2022	5050	23 Guadalajara Ave	12766	8629
22	Booster	0	07/09/2022	11082	36 Ryder Road	5337	8597

שאילתה 2

כל הלקוחות שיש להם יותר מהזמנה אחת

```
select Customer_ID
from Orders
group by Customer_ID
having count(*) > 1;
```

5332 rows selected in 1.408 seconds

שאילתה 3

כל הזמנות שיש להם לקוח שיש לו יותר מי 10 שנים ניסיון בנהיגה

```
select *
from Orders
where Customer_ID in (select Customer_ID
from customers
where Years_Of_Driving >= 10 );
```

13401 rows selected in 6.582 seconds

שאילתה 4

מחזיר את כל ההזמנות שהזמינו בוסטר ילד

```
select *
from Orders
where Extras = 'Booster';
```

6551 rows selected in 2.847 seconds

שאילתה 5

כל לקוח שיש לו יותר מי 2 הזמנות

```
select Customer_ID, count(Customer_ID)
from Orders natural join customers
group by Customer_ID
having count(Customer_ID)>2;
```

1584 rows selected in 0.550 seconds

שאילתה 6ד

כמות המכוניות שיש להם אותו מספר מושבים

```
select Number_of_seats,count(*) as Number_of_seats
from cars
group by Number_of_seats
```

8 rows selected in 0.012 seconds

שאילתה 7

מחזיר פרטי הלקוחות חוץ מאלה לא רלוונטים להצגה כלומר פקדון רשימה שחורה ומספר זהות שלא שכרו שום רכב

```
select  t.years_of_driving, t.date_of_birth, t.name, t.gender, t.license_expired_date from DASTRAUS.CUSTOMERS t
where  NOT EXISTS(
select b.license_plate  from DASTRAUS.CARS b where EXISTS(
select o.orders_id from DASTRAUS.ORDERS o
where  o.license_plate=b.license_plate and o.customer_id=t.customer_id))
```

7403 rows selected in 2.302 seconds

שאילתא 8

מחזיר אותם פרטי הלקוחות של 7 של הלקוחות שכרו כל הרכבים שהאקסטרא הוא נכה ושהמיקום מתחיל ב1

```
select t.years_of_driving,t.date_of_birth,t.name,t.gender,t.license_expired_date from DASTRAUS.CUSTOMERS t
where   EXISTS(select b.license_plate  from DASTRAUS.CARS b
where EXISTS(select o.orders_id  from DASTRAUS.ORDERS o where  o.license_plate=b.license_plate
and o.customer_id=t.customer_id and o.extras='handicapped' and o.location LIKE '1%'))
```

796 rows selected in 0.291 seconds

שאילתה 9

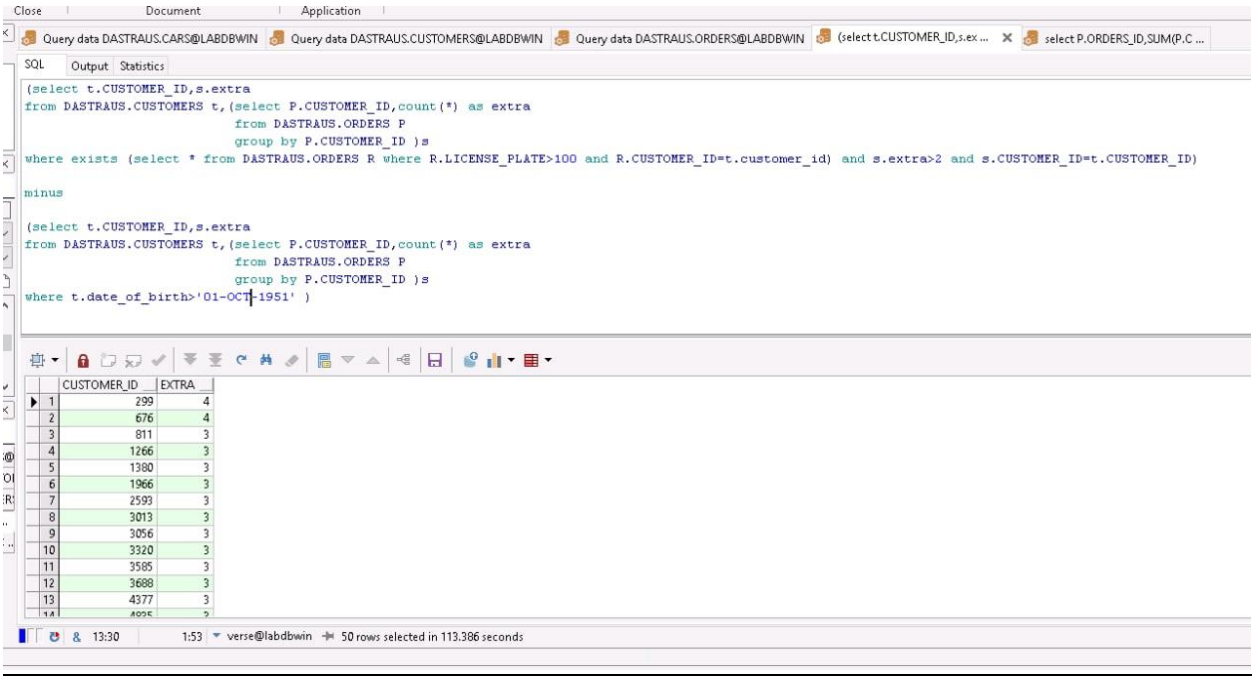
מספר הלקוחות אם אותם שנות נהיגה

```
select Years_Of_Driving,count(*) as Years
from Customers
group by Years_Of_Driving
order by Years_Of_Driving
```

31 rows selected in 0.058 seconds

שאילתה 10

מחזיר את הלקוחות ומספר אקסטרא שהזמינו כך שהמספר רישוי שלהם גדול ממאה
ושהזמינו יותר משני אקסטרא אבל שנולדו לפני ראשון של אוקטובר 1951



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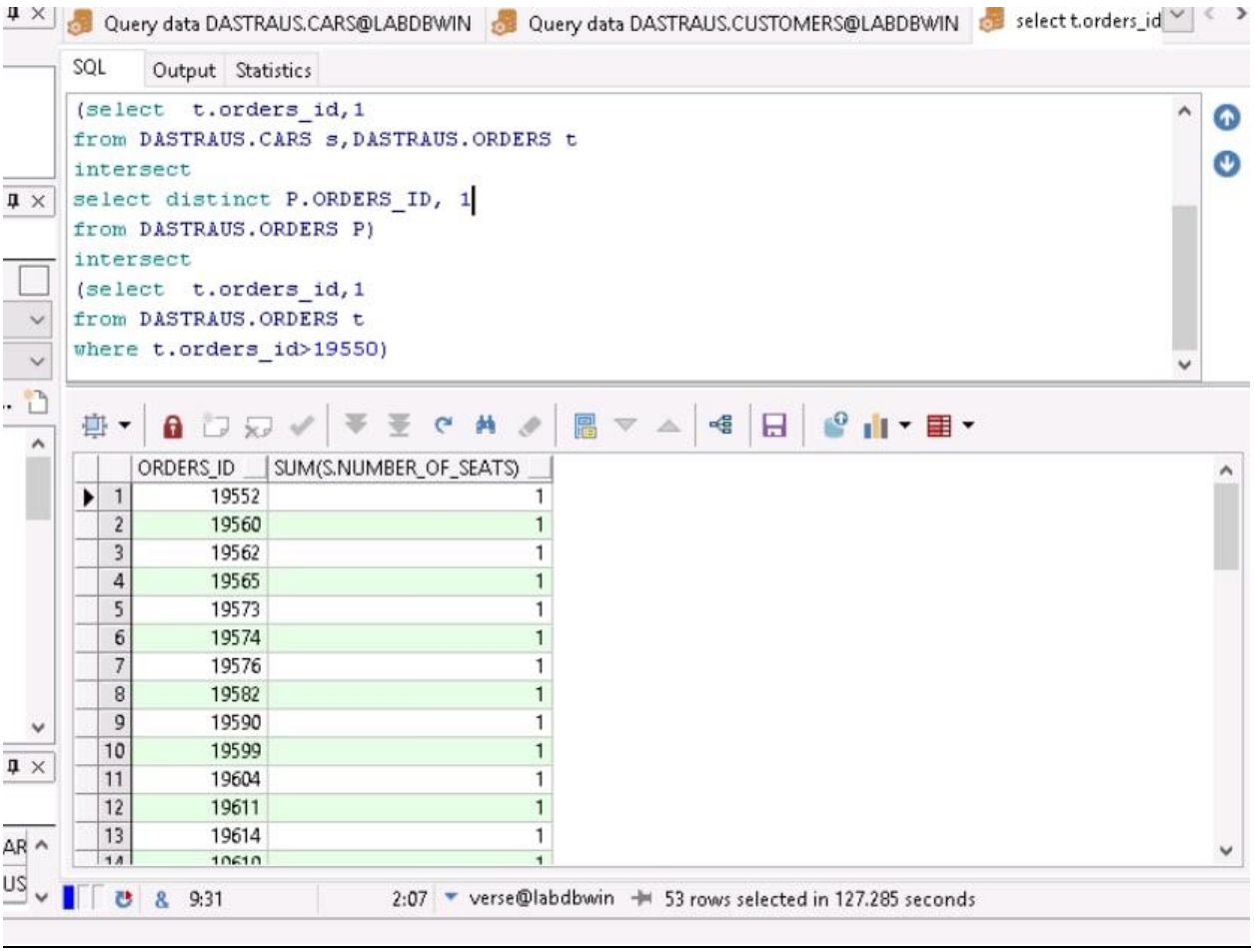
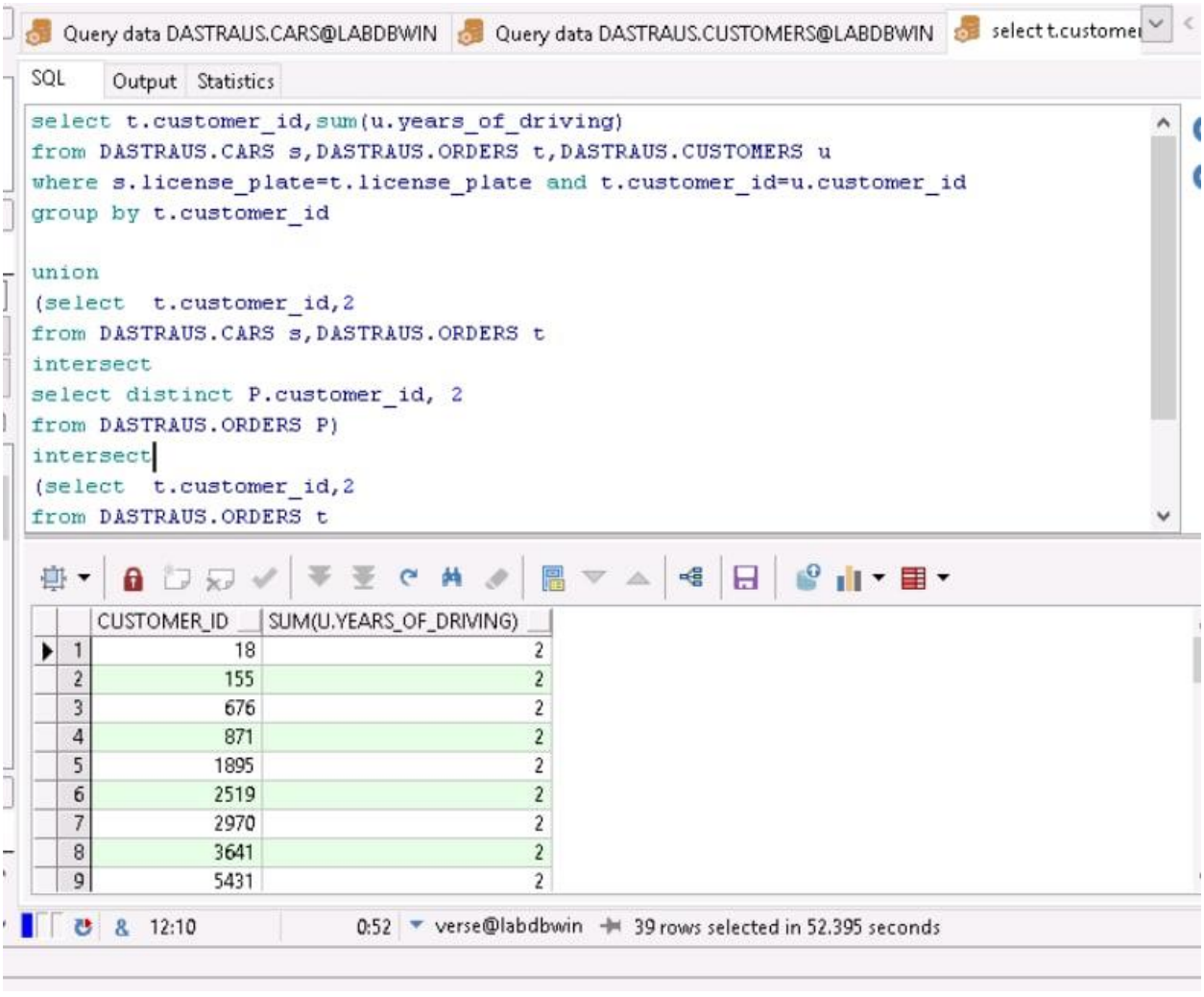
שאילתה 11

מחזיר את מספר הזמנות וסכום מושבים ברכב של ההזמנות עם רכב בו יש רק מושב יחיד ושמספר ההזמנה גדול מ 19550



שאילתה 12

מחזיר את הלקוחות וסכום מספר שנות נהיגה כך שמספר ההזמנה שלהם גדול מ 19960 ומספר השנות נהיגה שווה 2



שאילתה UPDATE

מחליף NULLבמקום
Nothing

```
Update Orders
set Extras  = NULL
where Extras  = 'Nothing';
```

שאילתה עם פרמטרים

מקבל קלט של מספר שנות נהיגה מחזיר את כל הלקוחות שיש להם יותר ניסיון

```
select *
from Orders
where Customer_ID in (select Customer_ID
from customers
where Years_Of_Driving >= &num );
```

INDEX

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Index 1

```
-- Create/Recreate indexes
create index bl on CUSTOMERS (security_deposit, black_list);
```

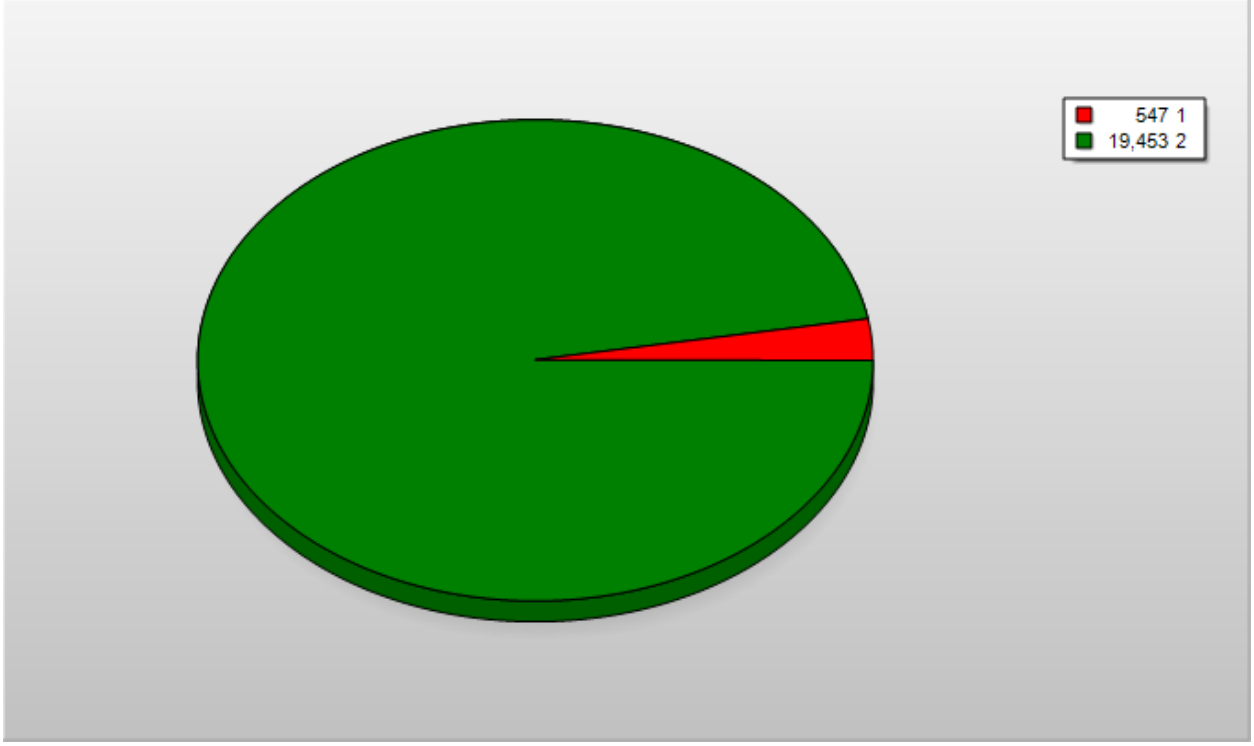
כאשר אנו נריץ את שאילתה 1 אנו נקבל את התוצאה 0.157 במקום התוצאה 0.558 שזה שיפור של 355%

```
261 rows selected in 0.157 seconds
```

זה עובד משום שהשדות שלקחנו הם בין 2% ל4% מסך הנתונים שלנו (שכאשר אנו נשתמש בחלק של השאילתה שעלב עובד האינדקס)

```
select *
from Orders
where Customer_ID in (select Customer_ID
                      from customers
where Black_List = 0 and Security_Deposit = 0 );
```

נקבל 547 תשובות מתוך 20000 נתונים(בין 2% ל4% מסך הנתונים)



Index 2

```
-- Create/Recreate indexes
create index ext on ORDERS (extras);
```

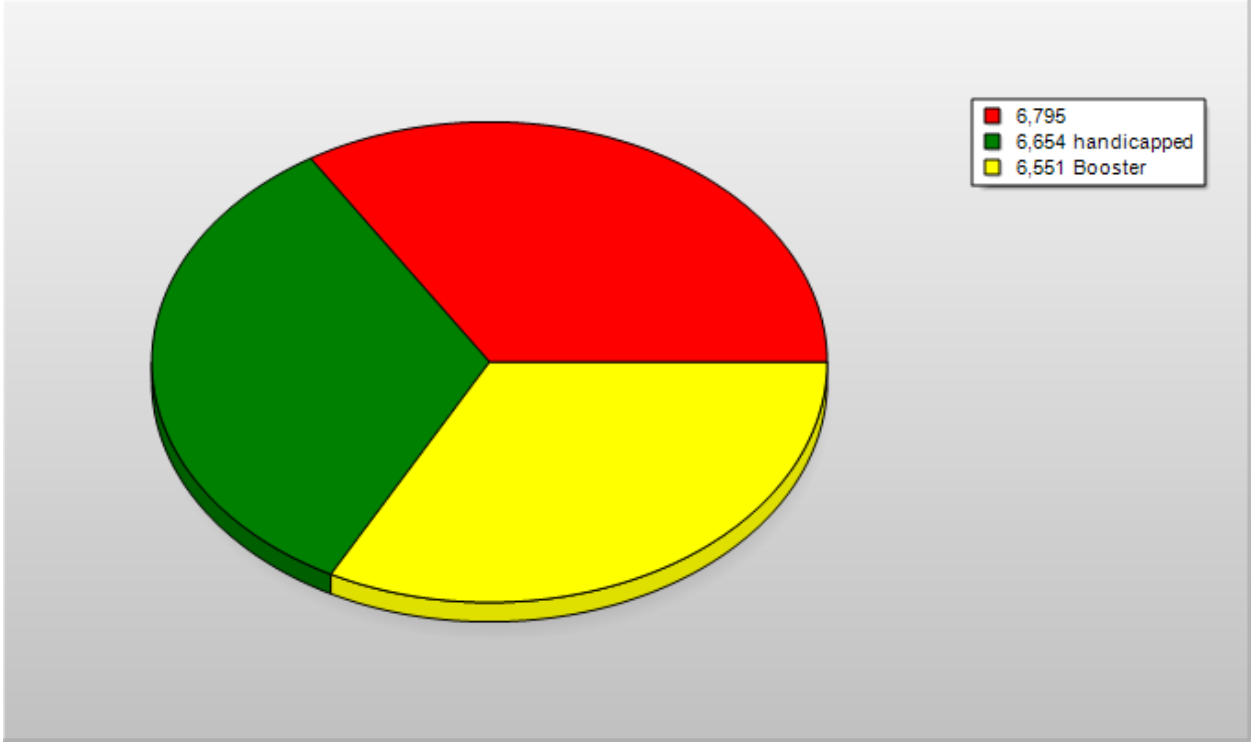
כאשר אנו נריץ את שאילתא 4 אנו נקבל את התוצאה 2.445 במקום התוצאה 2.847 שזה שיפור של 14%

```
6551 rows selected in 2.445 seconds
```

זה לא עובד משום שהשדות שלקחנו הם לא בין 2% ל4% מסך הנתונים שלנו

```
select Extras ,count(*)
from Orders
group by Extras
```

נקבל 6551 תשובות מתוך 20000 נתונים שזה הרבה יותר מי 2% ל4%



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Index 3

```
-- Create/Recreate indexes
create index INDEXONDATE on ORDERS (Date_Of_Orders);
```

כאשר אנו נריץ את שאילתה הזו(שאילתה שתפקידה לתת לנו את כל ההזמנות שיש באותו החודש)

```
select Date_Of_Orders
from Orders
where EXTRACT(MONTH FROM Date_Of_Orders) = &dob;
```

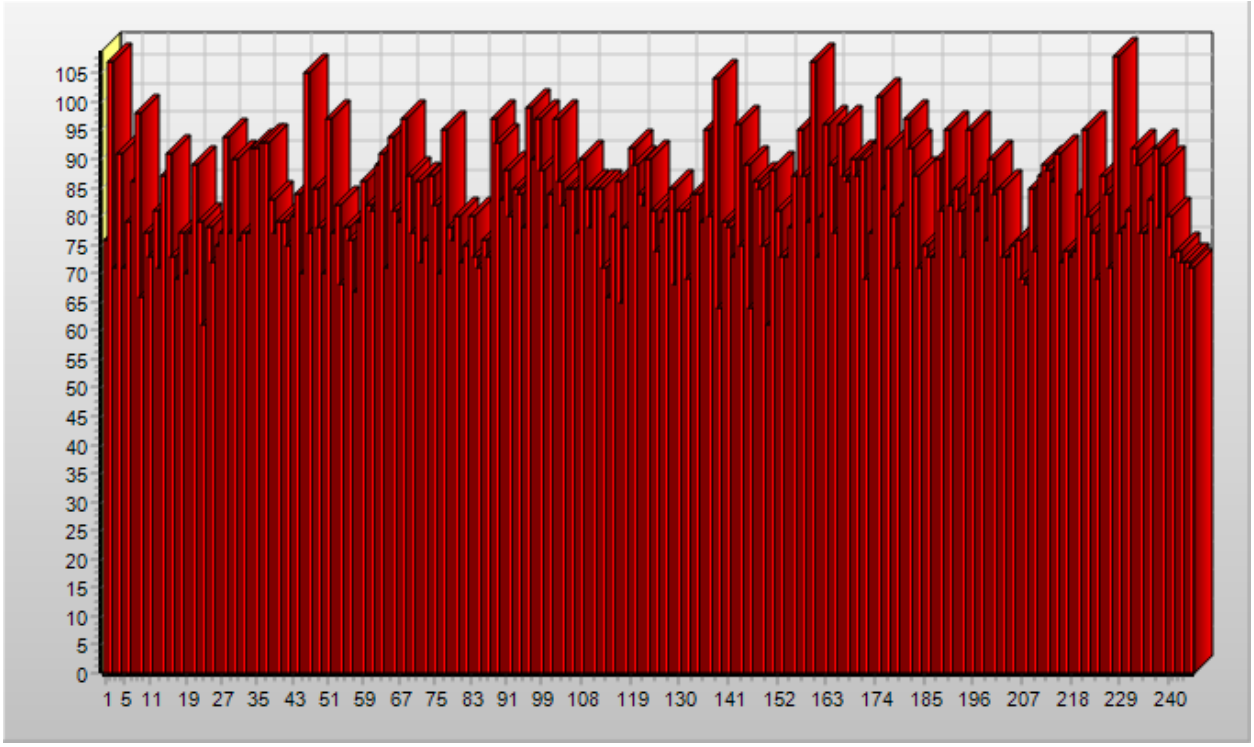
582 rows selected in 0.550 seconds

ואחרי האינדקס

582 rows selected in 0.291 seconds

אנו נקבל את התוצאה 0.291 במקום התוצאה 0.550 שזה שיפור של 89%
זה עובד משום שהשדות שלקחנו להם בין 2% ל4% מסך הנתונים שלנו שכאשר אנו נישתמש בחלק של השאילתה שעליו עובד האינדקס
כדי להוכיח את זה אנו נריץ את השאילתה הבא ונוצא ממנה גרף שירע שזה מתפלג נורמלית

```
select Date_Of_Orders
from Orders
where  Date_Of_Orders = TO_DATE('&dob','YYYY/MM/DD');
```



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הרשאות גישה

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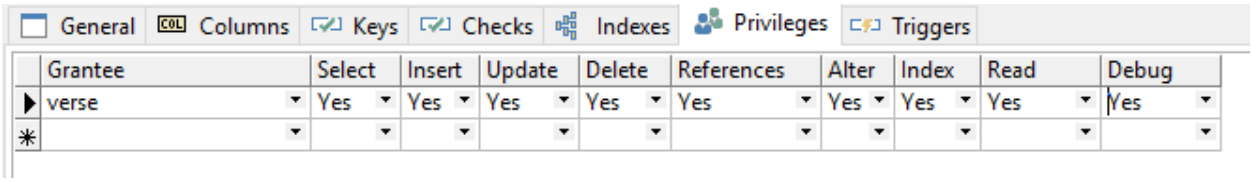
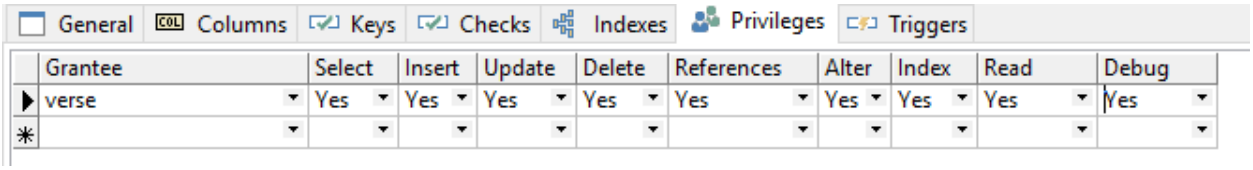
```
-- Create table
create table CARS
(
  license_plate      NUMBER(20) not null,
  car_model          VARCHAR2(10) not null,
  manufacturing_date DATE,
  active             NUMBER(1) not null,
  number_of_seats    NUMBER(2) not null
)
tablespace USERS
  pctfree 10
  initrans 1
  maxtrans 255
  storage
  (
    initial 64K
    next 1M
    minextents 1
    maxextents unlimited
  );
-- Create/Recreate primary, unique and foreign key constraints
alter table CARS
  add primary key (LICENSE_PLATE)
  using index
  tablespace USERS
  pctfree 10
  initrans 2
  maxtrans 255
  storage
  (
    initial 64K
    next 1M
    minextents 1
    maxextents unlimited
  );
-- Grant/Revoke object privileges
   grant select, insert, update, delete, references, alter, index, debug, read
                                                                  on CARS to VERSE;
```




```
-- Grant/Revoke object privileges
   grant select, insert, update, delete, references, alter, index, debug, read
                                                        on CUSTOMERS to VERSE;
```




```
-- Grant/Revoke object privileges
grant select, insert, update, delete, references, alter, index, debug, read
on ORDERS to verse;
```

שאילתות על הפרויקט של אחרים

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שאילתה 1

מקבל את המספר הזמנה ומחזיר את התוספות שצריך

```
select DESCRIPTION, PRICE
from ELAFISHE.EXTRAS
where extra_id in (select extra_id
                   from ELAFISHE.EXTRASFORORDERS
                   where ORDER_ID = &ORDER_ID);
```

שאילתה 2

מקבל את מספר הלקוח ומחזיר את כל ההזמנות שיש לו

```
select *
from ELAFISHE.ORDERS
where costumer_id = &costumer_id;
```

שאילתה 3

מחזיר את כמות הזמנות שיש להם אותו מספר תשלומים

```
select PAYMENTS,count(*)
from ELAFISHE.ORDERS
group by PAYMENTS
```

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VIEWS

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View 1

והשאילתה נותנת לנו את המכוניות וה VIEWנותן לנו את המכוניות בפעילות שבהזמנה הפעילות וגם לקוחות פעילים והזמנה

```
--VIEW
CREATE VIEW view_Active AS
select *
from Orders
where license_plate in (select license_plate
                    from cars
                    where Active = 1);

--Q
select *
from Orders
where Customer_ID in (select Customer_ID
                    from customers
                    where Black_List = 0 and Security_Deposit = 0 )
Intersect
select *
from view_Active;


--DROP VIEW view_Active;
```

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View 2

כל הזמנות שיש להם לקוח שיש לו יותר מ 10 שנים ניסיון בנהיגה

```
--VIEW
CREATE VIEW view_Years_Of_Driving AS
select *
from Orders
where Customer_ID in (select Customer_ID
from customers
where Years_Of_Driving >= 10 );


--Q
select *
from Orders
where Customer_ID in (select Customer_ID
                      from customers
                      where Black_List = 0 and Security_Deposit = 0 )
Intersect
select *
from view_Years_Of_Driving;


--DROP VIEW view_Years_Of_Driving;
```

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View 3

מחזיר את כל ההזמנות שהזמינו בוסטר לילד

```
--VIEW
CREATE VIEW view_Booster AS
select *
from Orders
where Extras = 'Booster';


--Q
select *
from Orders
where Customer_ID in (select Customer_ID
                      from customers
                      where Black_List = 0 and Security_Deposit = 0 )
Intersect
select *
from view_Booster;


--DROP VIEW view_Booster;
```

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View 4

כל הלקוחות שיש להם יותר מהזמנה אחת

```
--VIEW
CREATE VIEW view_count_Customer_ID AS
select Customer_ID
from Orders
group by Customer_ID
having count(*) > 1;
```

```
--Q
select Customer_ID
from Orders
where Customer_ID in (select Customer_ID
                      from customers
                      where Black_List = 0 and Security_Deposit = 0 )
Intersect
select *
from view_count_Customer_ID;
```

```
--DROP VIEW view_count_Customer_ID;
```

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תרשימים

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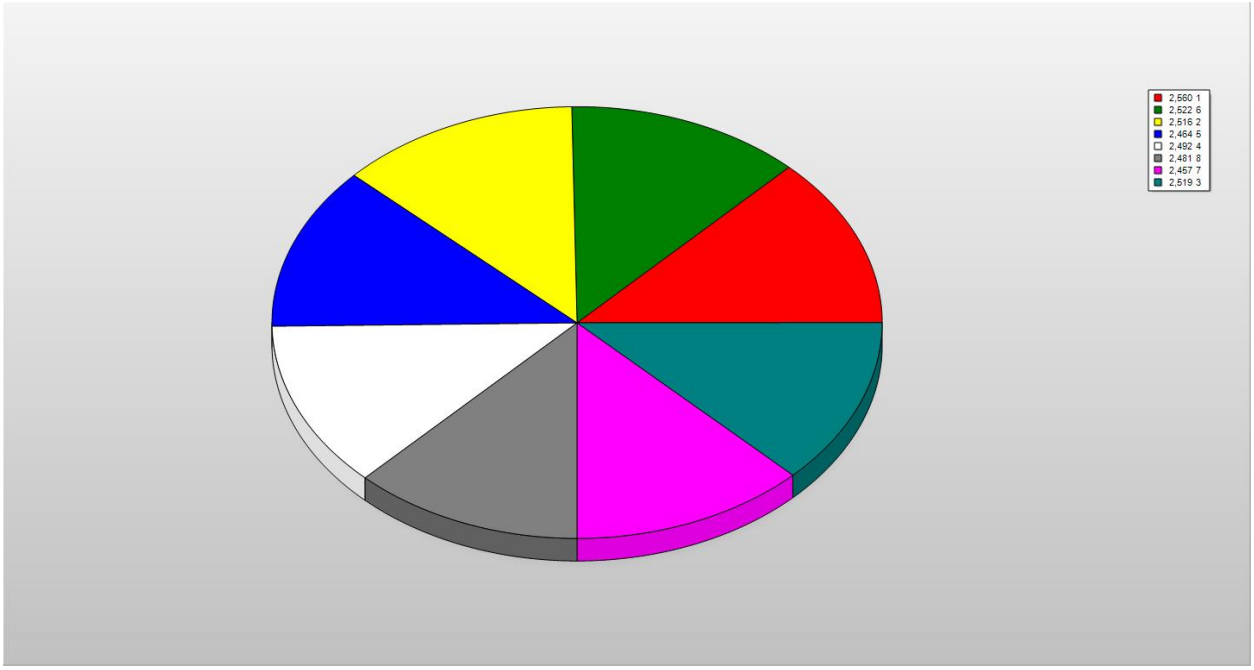
גרף 1

כמות המכוניות שיש להם אותו מספר מושבים

```
select Number_of_seats,count(*) as Number_of_seats
from cars
group by Number_of_seats
```



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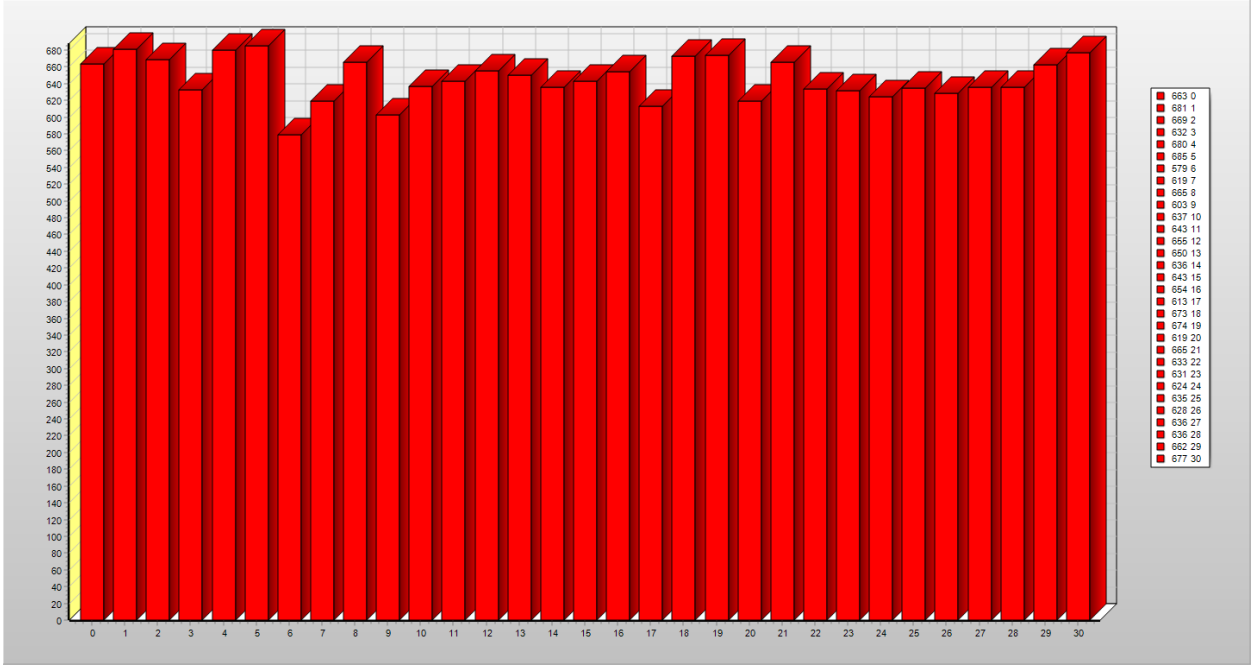
גרף 2

מספר הלקוחות אם אותם שנות נהיגה

```
select Years_Of_Driving,count(*) as Years
from Customers
group by Years_Of_Driving
order by Years_Of_Driving
```



פרוצדורות

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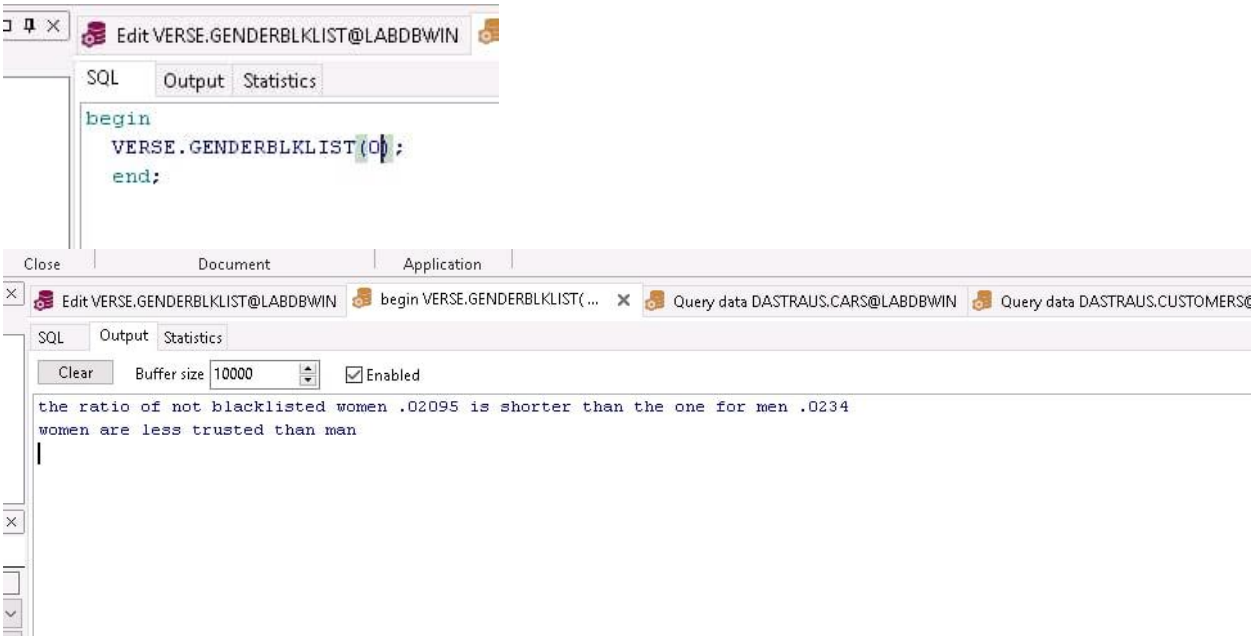
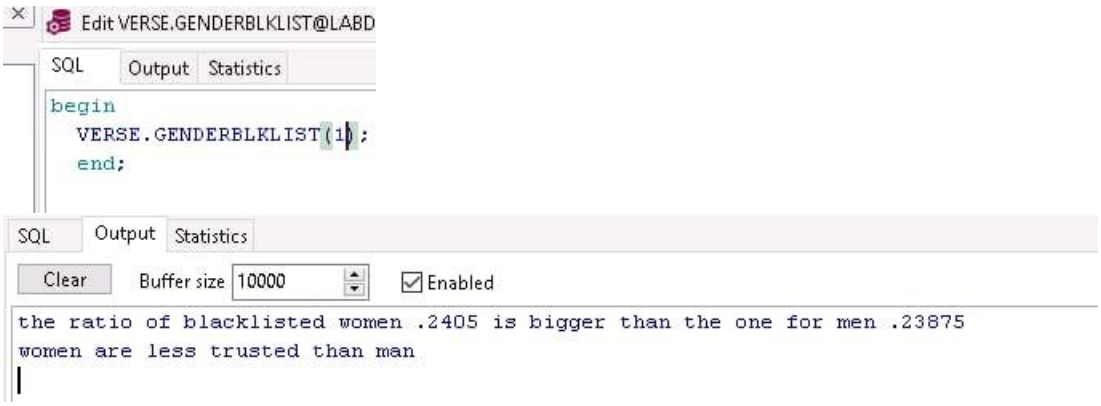
Procedure 1

Check if the ratio of a gender is more blacklisted or not than another





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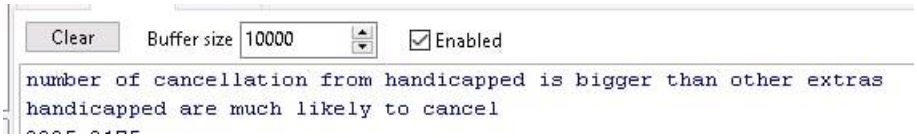
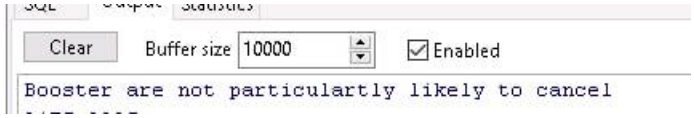
```
create or replace procedure genderBlklist(blk in number) is
women number:=0;
men number:=0;
total  number:=0;
begin
  select count(*) into women from DASTRAUS.CUSTOMERS t  where t.gender = 'female' and t.black_list=blk;
  select count(*) into men from DASTRAUS.CUSTOMERS t  where t.gender = 'male' and t.black_list=blk;
  select count(*) into total from DASTRAUS.CUSTOMERS t  ;

  if(women>men and blk=1)
   then dbms_output.put_line('the ratio of blacklisted women '|| women/total ||' is bigger than the one for men
'||men/total);
        dbms_output.put_line('women are less trusted than man');
   else if(women<men and blk=1)
     then  dbms_output.put_line('the ratio of blacklisted women '|| women/total ||' is shorter than the one for men
'||men/total);
            dbms_output.put_line('women are more trusted than man');
      else if(women>men and blk=0)
     then  dbms_output.put_line('the ratio of not blacklisted women '|| women/total ||' is shorter than the one for men
'||men/total);
            dbms_output.put_line('women are more trusted than man');
      else if(women<men and blk=0)
     then  dbms_output.put_line('the ratio of not blacklisted women '|| women/total ||' is shorter than the one for men
'||men/total);
        dbms_output.put_line('women are less trusted than man');
  end if;end if;end if;end if;
end genderBlklist;
```

Procedure 2

Check if given an extra the probability to cancel is bigger





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```
create or replace procedure cancelHandicaped(extra in varchar) is
x number:=0;
y number:=0;

cursor orders is
      select * from DASTRAUS.ORDERS t where t.extras=extra;
s1 orders%rowtype;
begin
  select count(*) into y from DASTRAUS.ORDERS t where t.canceled=1 and t.extras!=extra;
  open orders;
  loop
    fetch orders into s1;
    exit when orders%notfound;
    if(s1.canceled=1) then x:=x+1; end if;
  end loop;
  close orders;
if(x>y) then dbms_output.put_line('number of cancellation from '||extra||' is bigger than other extras');
dbms_output.put_line(extra||' are much likely to cancel');
else dbms_output.put_line(extra||' are not particulartly likely to cancel');
 end if;
end cancelHandicaped;
```

פונקציות

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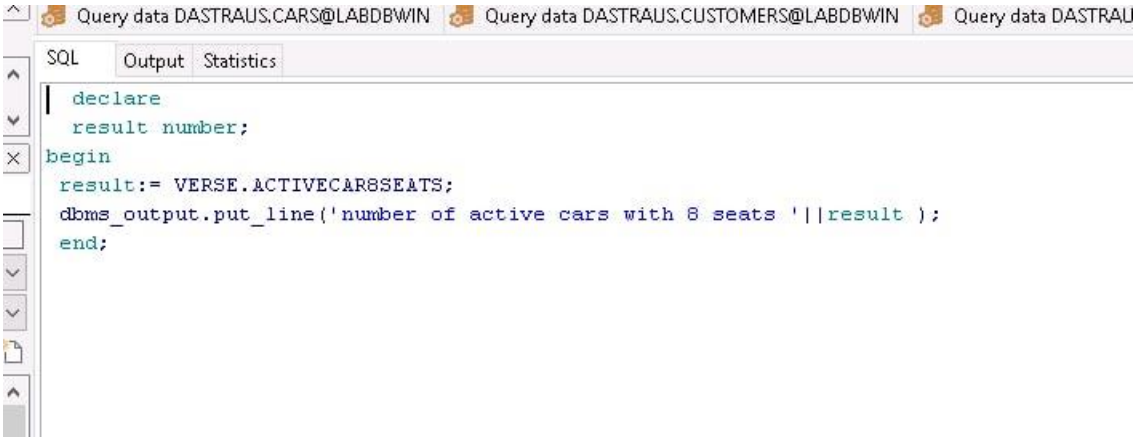
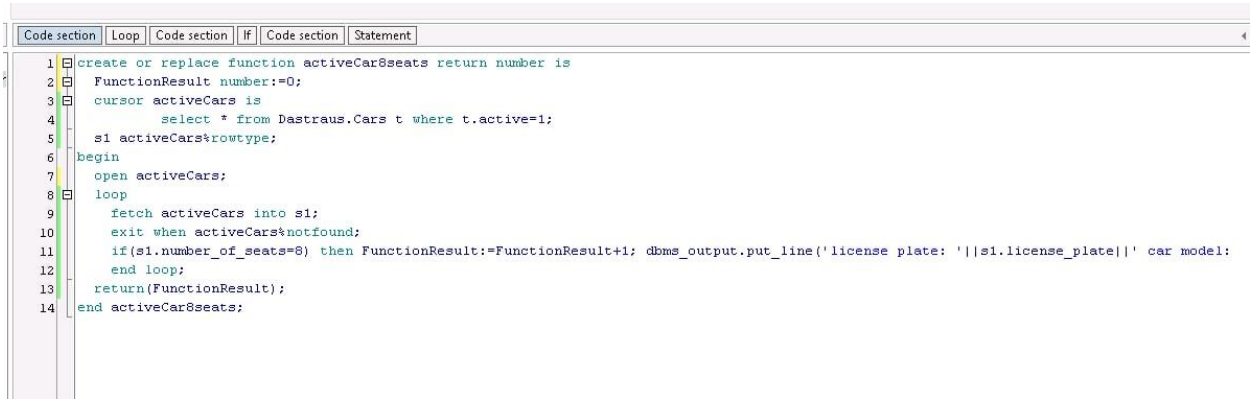
Function 1

Return the number of active cars with 8 seats and print info about each





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Function 2

Return number of men without security deposit and print info about each

```
  declare
  result number;
begin
 result:= VERSE.Numbermanwithoutsecurity;
 dbms_output.put_line('number of man without security deposit '||result );
 end;
```

```
create or replace function numberManWithoutSecurity return number is
 FunctionResult number:=0;
  cursor menCust is
         select * from Dastraus.Customers t where t.gender='male';
  s1 menCust%rowtype;
begin
  open menCust;
  loop
    fetch menCust into s1;
    exit when menCust%notfound;
     if(s1.security_deposit=0) then FunctionResult:=FunctionResult+1;  dbms_output.put_line('name: '||s1.name||' years of driving:  '||s1.yea
    end if;
    end loop;
  return(FunctionResult);
end numberManWithoutSecurity;
```

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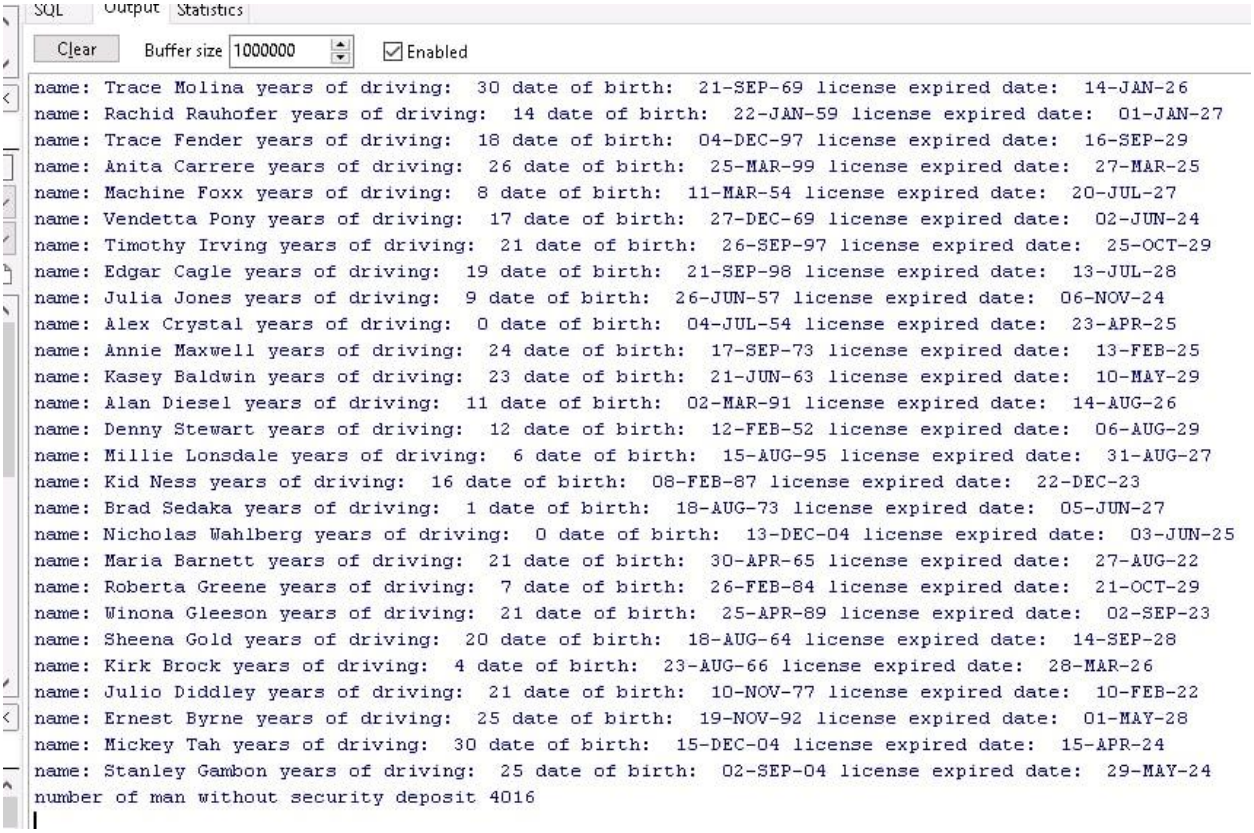
SQL
Output
Statistics
Clear
Buffer size 1000000
Enabled
name: Trace Molina years of driving: 30 date of birth: 21-SEP-69 license expired date: 14-JAN-26
name: Rachid Rauhofer years of driving: 14 date of birth: 22-JAN-59 license expired date: 01-JAN-27
name: Trace Fender years of driving: 18 date of birth: 04-DEC-97 license expired date: 16-SEP-29
name: Anita Carrere years of driving: 26 date of birth: 25-MAR-99 license expired date: 27-MAR-25
name: Machine Foxx years of driving: 8 date of birth: 11-MAR-54 license expired date: 20-JUL-27
name: Vendetta Pony years of driving: 17 date of birth: 27-DEC-69 license expired date: 02-JUN-24
name: Timothy Irving years of driving: 21 date of birth: 26-SEP-97 license expired date: 25-OCT-29
name: Edgar Cagle years of driving: 19 date of birth: 21-SEP-98 license expired date: 13-JUL-28
name: Julia Jones years of driving: 9 date of birth: 26-JUN-57 license expired date: 06-NOV-24
name: Alex Crystal years of driving: 0 date of birth: 04-JUL-54 license expired date: 23-APR-25
name: Annie Maxwell years of driving: 24 date of birth: 17-SEP-73 license expired date: 13-FEB-25
name: Kasey Baldwin years of driving: 23 date of birth: 21-JUN-63 license expired date: 10-MAY-29
name: Alan Diesel years of driving: 11 date of birth: 02-MAR-91 license expired date: 14-AUG-26
name: Denny Stewart years of driving: 12 date of birth: 12-FEB-52 license expired date: 06-AUG-29
name: Millie Lonsdale years of driving: 6 date of birth: 15-AUG-95 license expired date: 31-AUG-27
name: Kid Ness years of driving: 16 date of birth: 08-FEB-87 license expired date: 22-DEC-23
name: Brad Sedaka years of driving: 1 date of birth: 18-AUG-73 license expired date: 05-JUN-27
name: Nicholas Wahlberg years of driving: 0 date of birth: 13-DEC-04 license expired date: 03-JUN-25
name: Maria Barnett years of driving: 21 date of birth: 30-APR-65 license expired date: 27-AUG-22
name: Roberta Greene years of driving: 7 date of birth: 26-FEB-84 license expired date: 21-OCT-29
name: Winona Gleeson years of driving: 21 date of birth: 25-APR-89 license expired date: 02-SEP-23
name: Sheena Gold years of driving: 20 date of birth: 18-AUG-64 license expired date: 14-SEP-28
name: Kirk Brock years of driving: 4 date of birth: 23-AUG-66 license expired date: 28-MAR-26
name: Julio Diddley years of driving: 21 date of birth: 10-NOV-77 license expired date: 10-FEB-22
name: Ernest Byrne years of driving: 25 date of birth: 19-NOV-92 license expired date: 01-MAY-28
name: Mickey Tah years of driving: 30 date of birth: 15-DEC-04 license expired date: 15-APR-24
name: Stanley Gambon years of driving: 25 date of birth: 02-SEP-04 license expired date: 29-MAY-24
number of man without security deposit 4016

THE END

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