```
2
3
4
5
6  # use the dataset
7
8 • use titanic;
9
10  -- use : The use keyword is used to set the data base as primary, in which you are goingt o work on.
```

```
# show the record of table

select * from tbl_titanic;

-- Seelct : The Select is a DQL(Data Query Language) commange that helpd us to fetch the record form table.

-- * : The * symbol is used to fetch all (columns) record of the database.
```

<												
Result Grid		National Property of the Prope		Edit: 🔏 🖶 Export/Import: 识 🐻 Wrap Cell Content:					₹Ā Fetch rows:	•		
	PassengerId	Survived	Pdass	Name	Sex	Age	SibSp	Parch	Ticket	Fare	Cabin	Embarked
•	1	0	3	Braund, Mr. Owen Harris	male	22	1	0	A/5 21171	7.25		S
	2	1	1	Cumings, Mrs. John Bradley (Florence Briggs Th	female	38	1	0	PC 17599	71.2833	C85	С
	3	1	3	Heikkinen, Miss. Laina	female	26	0	0	STON/O2, 3101282	7.925		S
	4	1	1	Futrelle, Mrs. Jacques Heath (Lily May Peel)	female	35	1	0	113803	53.1	C123	S
	5	0	3	Allen, Mr. William Henry	male	35	0	0	373450	8.05		S
	7	0	1	McCarthy, Mr. Timothy J	male	54	0	0	17463	51.8625	E46	S
	8	0	3	Palsson, Master. Gosta Leonard	male	2	3	1	349909	21.075		S
	9	1	3	Johnson, Mrs. Oscar W (Elisabeth Vilhelmina Berg)	female	27	0	2	347742	11.1333		S
tbl_	titanic 1 ×	•	1	NI NA NU-L-I /A J-I- A -L\	£1-	14	•	^	22776	20 0700		^

SHow the column List of Table 6 SHOW COLUMNS FROM tbl titanic; 8 • 9 -- here we are using The Show Column to get the list of complte details of column of Tables 10 11 Result Grid Export: Wrap Cell Content: IA Filter Rows: Field Default Extra Null Type Key NULL PassengerId PRI int NO NULL Survived int NO NULL Pdass int YES NULL Name text YES NULL YES Sex text NULL Age int YES NULL SibSp int YES NULL Parch int YES NULL Ticket text YES NULL Fare double YES

NULL

NULL

Cabin

Embarked

text

text

YES

YES

```
# Set the Passenger ID as Primary Key

alter table tbl_titanic

add constraint primary key(PassengerId);

-- Here We have used Alter Statement:

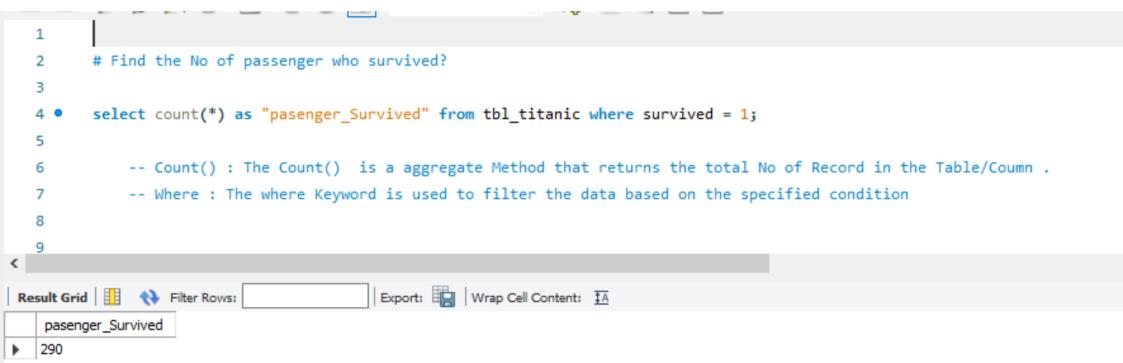
-- Alter key is ued to modifiy the defination of table

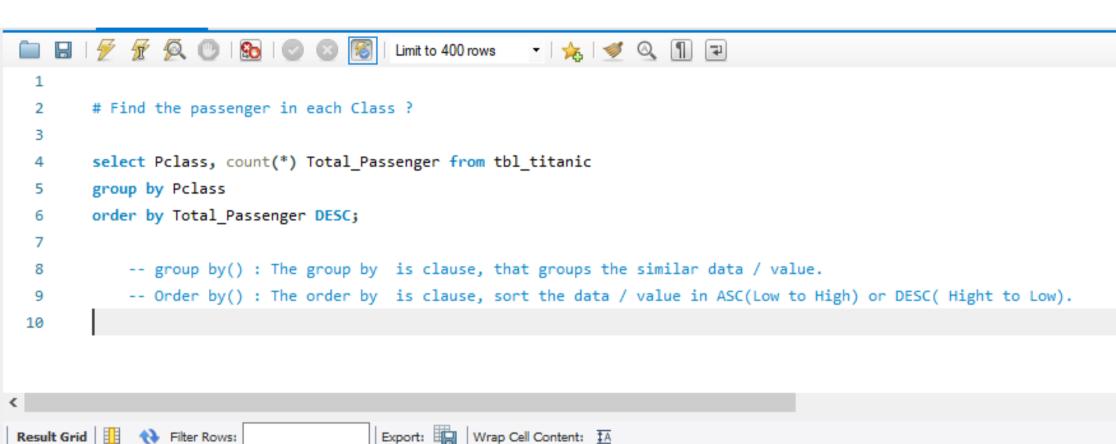
-- here we are adding constraints, It is rule, we are setting the rule on PassengerId as Primary Key
```

```
5
          select * from tbl titanic Limit 10;
  7
                                                                                                                                        4
                                                   Edit: 🚰 🖶 🖶 Export/Import: 📳 🐻
Result Grid
                                                                                                Wrap Cell Content: TA
                 Filter Rows:
                                                                                                                                                          Embarked
   PassengerId
                            Pclass
                                    Name
                                                                                                  SibSp
                                                                                                          Parch
                                                                                                                  Ticket
                                                                                                                                                  Cabin
                 Survived
                                                                                                                                       Fare
                                                                                  Sex
                 0
                            3
                                    Braund, Mr. Owen Harris
                                                                                 male
                                                                                           22
                                                                                                                  A/5 21171
                                                                                                                                                         S
   1
                                                                                                  1
                                                                                                          0
                                                                                                                                       7.25
   2
                           1
                                    Cumings, Mrs. John Bradley (Florence Briggs Th...
                                                                                 female
                                                                                           38
                                                                                                                  PC 17599
                                                                                                                                       71.2833
                                                                                                                                                 C85
                                                                                                                                                         C
   3
                            3
                                    Heikkinen, Miss. Laina
                                                                                  female
                                                                                           26
                                                                                                  0
                                                                                                                  STON/O2, 3101282
                                                                                                                                       7.925
                                                                                                                                                         S
                 1
   4
                                    Futrelle, Mrs. Jacques Heath (Lily May Peel)
                                                                                  female
                                                                                                                  113803
                                                                                                                                       53.1
                                                                                                                                                 C123
                           1
                                                                                          35
                                                                                                                                                         S
                                    Allen, Mr. William Henry
                                                                                                                                       8.05
   5
                 0
                            3
                                                                                                                  373450
                                                                                  male
                                                                                           35
                                                                                                  0
                                                                                                          0
                                                                                                                                                         S
                                    McCarthy, Mr. Timothy J
                           1
                                                                                 male
                                                                                           54
                                                                                                                  17463
                                                                                                                                                 E46
                 0
                                                                                                  0
                                                                                                                                       51.8625
                                                                                                                                                         S
                                    Palsson, Master, Gosta Leonard
   8
                 0
                            3
                                                                                  male
                                                                                           2
                                                                                                  3
                                                                                                                  349909
                                                                                                                                       21.075
                                                                                                                                                         S
                           3
                                    Johnson, Mrs. Oscar W (Elisabeth Vilhelmina Berg)
                                                                                 female
                                                                                                                  347742
                                                                                                                                       11.1333
                                                                                                                                                         S
                 1
                                                                                                  0
                                    Nasser, Mrs. Nicholas (Adele Achem)
   10
                 1
                           2
                                                                                  female
                                                                                                  1
                                                                                                          0
                                                                                                                  237736
                                                                                                                                       30.0708
                                                                                                                                                         C
                 1
                           3
                                    Sandstrom, Miss. Marguerite Rut
                                                                                          4
                                                                                                  1
                                                                                                                 PP 9549
                                                                                                                                                 G6
                                                                                                                                                         S
   11
                                                                                  female
                                                                                                          1
                                                                                                                                       16.7
                                                                                                                                                 NULL
                NULL
                           NULL
                                                                                                 NULL
                                                                                                         NULL
                                                                                                                                       NULL
                                                                                                                                                         NULL
                                    NULL
                                                                                 NULL
                                                                                          NULL
                                                                                                                 NULL
```

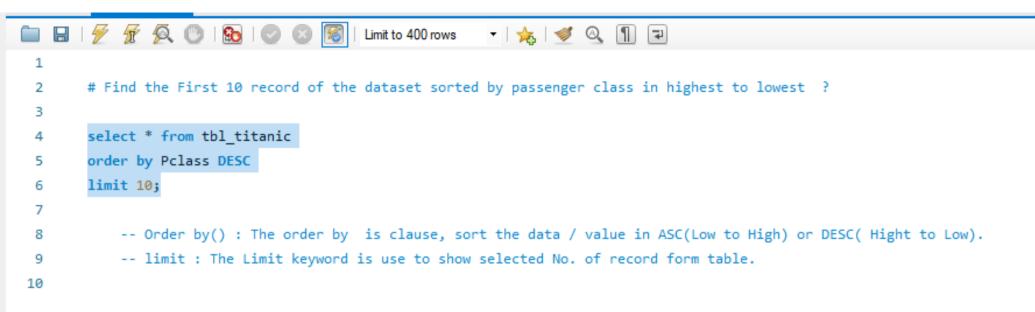
show first 10 record of table

tbl_titanic 5 ×

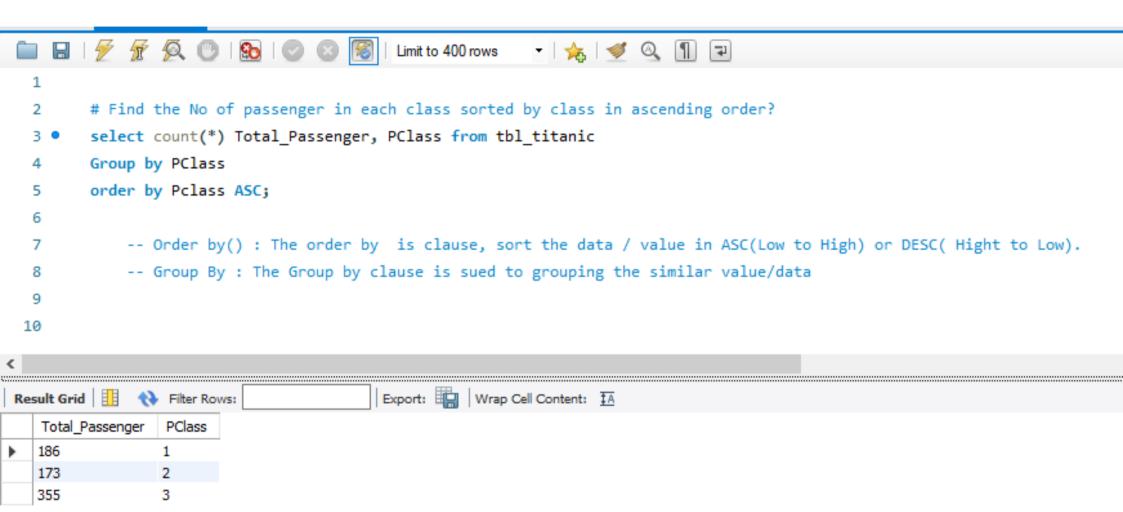


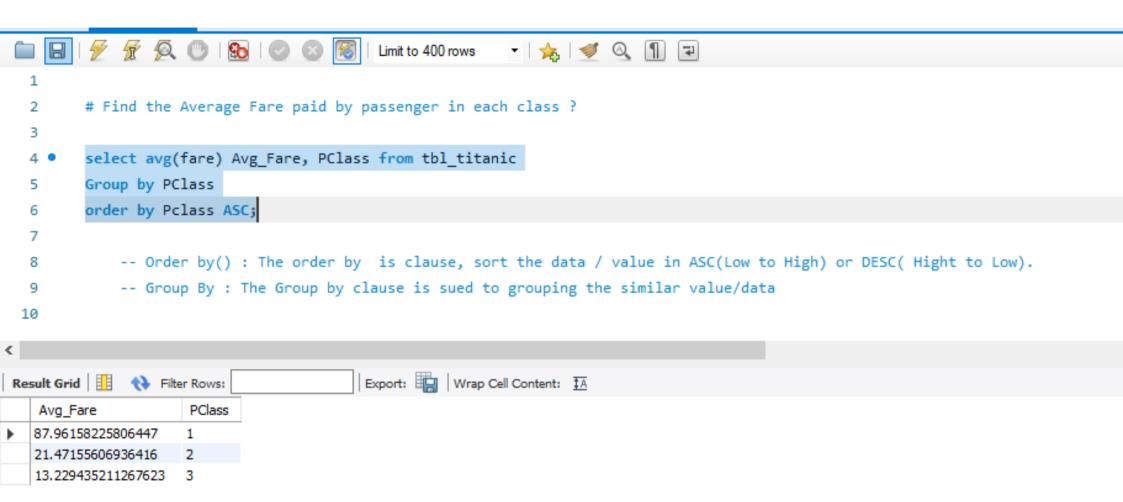


1									
	Pdass	Total_Passenger							
•	3	355							
	1	186							
	2	173							



Re	sult Grid 🔢	♦ Filter F	Rows:	Edit: 🚄 🖶 Export/Im	nport: 🙀 🦝 Wrap Cell Content			Content:	₹Ā Fetch rows:	₩		
	PassengerId	Survived	Pdass	Name	Sex	Age	SibSp	Parch	Ticket	Fare	Cabin	Embarked
•	1	0	3	Braund, Mr. Owen Harris	male	22	1	0	A/5 21171	7.25		S
	443	0	3	Petterson, Mr. Johan Emil	male	25	1	0	347076	7.775		S
	3	1	3	Heikkinen, Miss. Laina	female	26	0	0	STON/O2. 3101282	7.925		S
	891	0	3	Dooley, Mr. Patrick	male	32	0	0	370376	7.75		Q
	5	0	3	Allen, Mr. William Henry	male	35	0	0	373450	8.05		S
	785	0	3	Ali, Mr. William	male	25	0	0	SOTON/O.Q. 3101312	7.05		S
	8	0	3	Palsson, Master. Gosta Leonard	male	2	3	1	349909	21.075		S
	9	1	3	Johnson, Mrs. Oscar W (Elisabeth Vilhelmina Berg)	female	27	0	2	347742	11.1333		S
	449	1	3	Baclini, Miss. Marie Catherine	female	5	2	1	2666	19.2583		C
	11	1	3	Sandstrom, Miss. Marguerite Rut	female	4	1	1	PP 9549	16.7	G6	S
	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL





```
1
        # Find the Passenger Name who paid the Highest Fare ?
  2
        select Name, Fare from tbl_titanic
     5
                       select Max(fare) Highest fare from tbl titanic
  6
                     );
  8
            -- Here we are using here the the Query inside the Query, That is called the Subquery
            -- The outer Query result is depend on the inner Query
 10
            -- Here we are finding the max/ highest fare from the table, then we we extracting thr result on the basis on MAX fare
11
 12
13
                                        Export: Wrap Cell Content: IA
Result Grid
             Filter Rows:
                              Fare
   Name
```

Ward, Miss. Anna

Lesurer, Mr. Gustave J

Cardeza, Mr. Thomas Drake Martinez

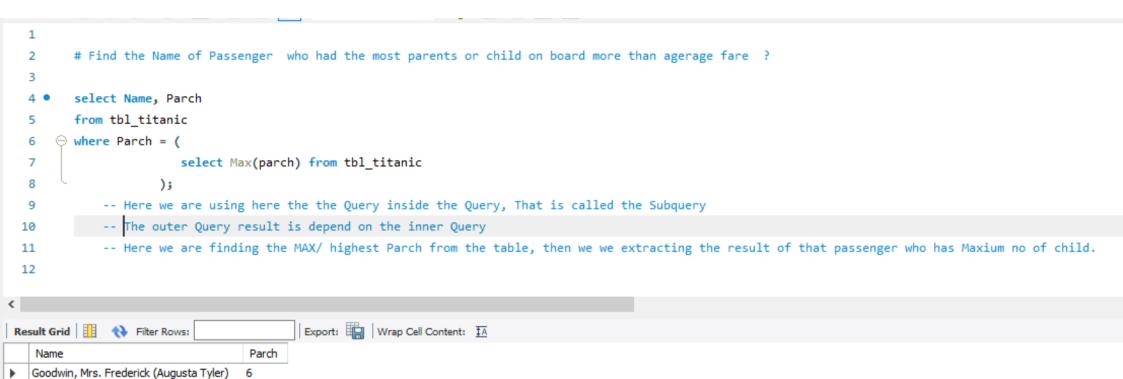
512.3292

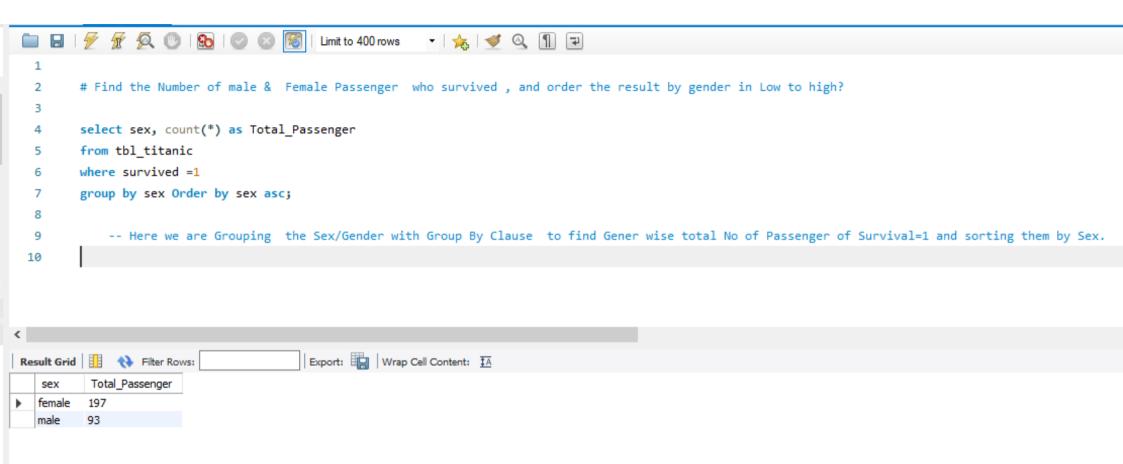
512.3292

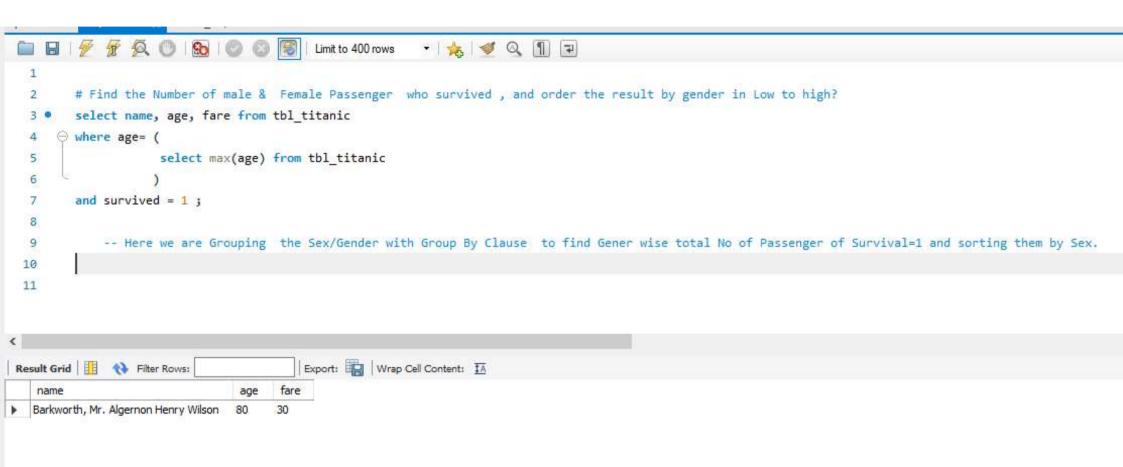
512.3292

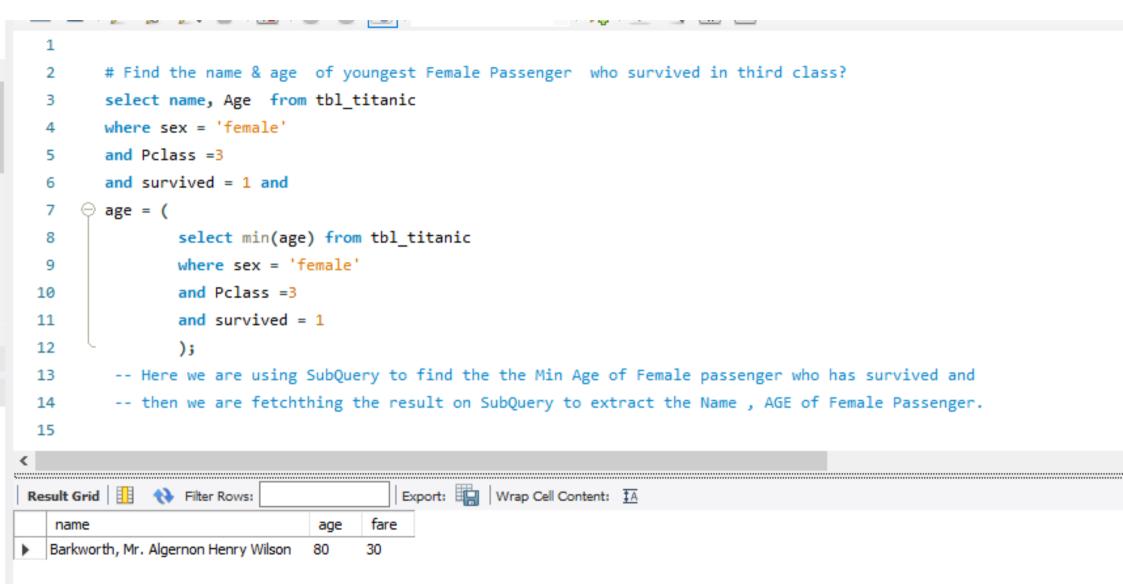
```
# Find the Passenger who had Highest Age Among the survivors ?
         select Name, Age as Highest_Age from tbl_titanic
        where age = (
                     select Max(age) from tbl titanic where survived = 1
  7
  8
         and survived = 1;
  9
 10
             -- Here we are using here the the Query inside the Query, That is called the Subquery
 11
             -- The outer Query result is depend on the inner Query
 12
             -- Here we are finding the max/ highest AGE from the table, then we we extracting thr result on the basis on MAX AGE
 13
C
                                          Export: Wrap Cell Content: #A
Result Grid
             Filter Rows:
   Name
                                Highest_Age
  Barkworth, Mr. Algernon Henry Wilson
```

```
# Find the No of Passenger who paid more than agerage fare ?
        select Count(*)
         from tbl_titanic
      select avg(fare) from tbl_titanic
  9
 10
                    );
 11
                 -- Here we are using here the the Query inside the Query, That is called the Subquery
 12
                 -- The outer Query result is depend on the inner Query
 13
                 -- Here we are finding the Avg/ mean Fare from the table, then we we extracting the Total Count where Fare is grather that Avg Fare.
 14
<
Result Grid
                                        Export: Wrap Cell Content: IA
             Filter Rows:
   Count(*)
172
```









```
1
           # Select All passenger
                                        who traveled in Cabin that was not shared by other Passenger?
   2
   3
   4 •
          Select * from tbl titanic
           where cabin not in
   7
                    select cabin from tbl titanic
                    group by Cabin
                    having count(*) > 1
   9
               );
  10
  11
            -- Here on the basis of SubQuery we are extracting in the Main Query where Cabin is not shared with other Passenger with NOT IN o
  12
  13
<
                                                  Edit: 🌈 🖶 🖶 | Export/Import: 🛄
Result Grid
                 ♦ Filter Rows:
                                                                                            Wrap Cell Content: $\overline{\pmathbb{T}}$
    PassengerId
                  Survived
                            Pclass
                                                                               Sex
                                                                                              SibSp
                                                                                                      Parch
                                                                                                             Ticket
                                                                                                                                 Fare
                                                                                                                                           Cabin
                                                                                                                                                     Embarked
                                   Cumings, Mrs. John Bradley (Florence Briggs Th... female
    2
                                                                                       38
                                                                                                             PC 17599
                                                                                                                                 71,2833
                                                                                                                                          C85
                                                                                                                                                    С
                 1
                           1
                                                                                              1
                                                                                                     0
    7
                                   McCarthy, Mr. Timothy J
                                                                                                                                                    S
                           1
                                                                              male
                                                                                       54
                                                                                              0
                                                                                                             17463
                                                                                                                                 51.8625
                                                                                                                                          E46
                                   Bonnell, Miss. Elizabeth
                                                                              female
                                                                                                             113783
                                                                                                                                                    S
    12
                 1
                           1
                                                                                       58
                                                                                              0
                                                                                                     0
                                                                                                                                 26.55
                                                                                                                                           C103
                                   Beesley, Mr. Lawrence
    22
                           2
                                                                                       34
                                                                                                             248698
                                                                                                                                 13
                                                                                                                                          D56
                                                                                                                                                    S
                                                                              male
    24
                           1
                                   Sloper, Mr. William Thompson
                                                                              male
                                                                                       28
                                                                                              0
                                                                                                     0
                                                                                                             113788
                                                                                                                                 35.5
                                                                                                                                           Α6
                                                                                                                                                    S
                                   Ostby, Mr. Engelhart Cornelius
    55
                           1
                                                                              male
                                                                                       65
                                                                                              0
                                                                                                             113509
                                                                                                                                 61.9792
                                                                                                                                          B30
                                                                                                                                                    C
                                   Chaffee, Mr. Herbert Fuller
                                                                                                             W.E.P. 5734
    93
                 0
                           1
                                                                              male
                                                                                       46
                                                                                              1
                                                                                                     0
                                                                                                                                 61,175
                                                                                                                                          E31
                                                                                                                                                    S
                                   Goldschmidt, Mr. George B
    97
                           1
                                                                                              0
                                                                                                             PC 17754
                                                                                                                                          A5
                                                                                                                                                    C
                                                                              male
                                                                                       71
                                                                                                                                 34.6542
                                   Greenfield, Mr. William Bertram
                                                                                                             PC 17759
    98
                                                                                                                                 63.3583
                                                                                                                                          D10 D12
                 1
                           1
                                                                              male
                                                                                       23
                                                                                              0
                                                                                                     1
                 0
                           1
                                   Porter, Mr. Walter Chamberlain
                                                                                              0
                                                                                                             110465
                                                                                                                                                    S
    111
                                                                              male
                                                                                       47
                                                                                                                                 52
                                                                                                                                           C110
```

2

11752

00.47000

26.2833

70.0

D47

DOC

S

19

24

female

---1-

0

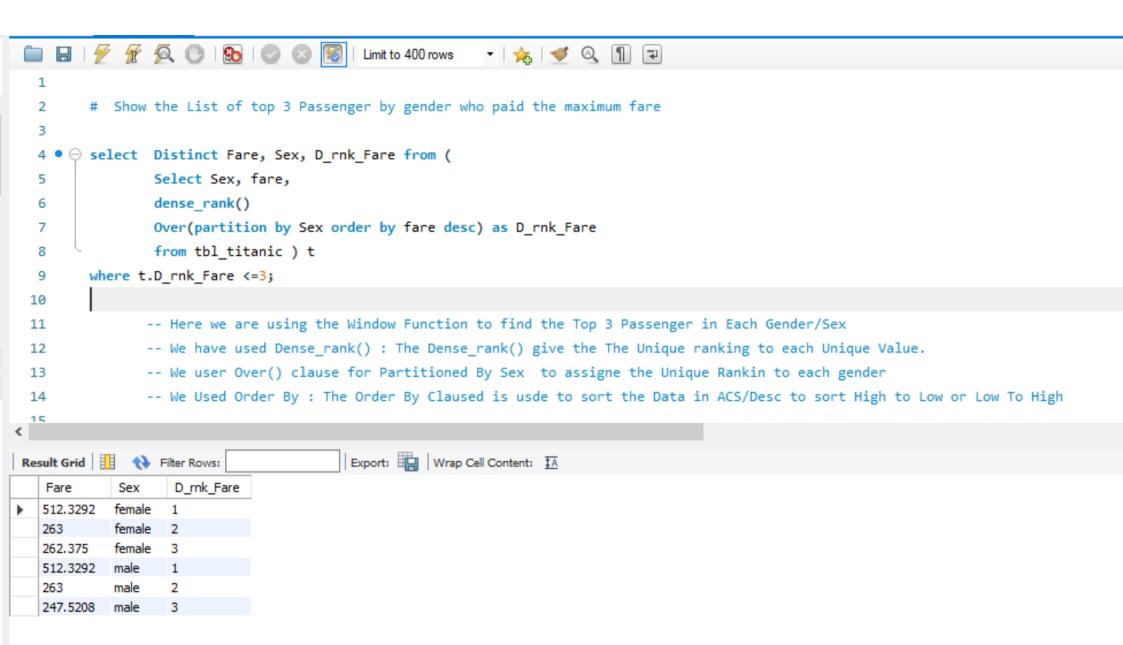
Newsom, Miss. Helen Monypeny

coales was volume

1

137

tbl titanic 20 x



```
1
2
3
4
5  # Create the database
6
7  • Create database titanic;
8
9  -- Create is a DDL(Data Defination Language) command , that help us to create a structure in RDMBS.
```