EXPERIMENT-1

```
SQL> create table student(
  2  sid NUMBER,
  3  sname VARCHAR2(20),
  4  sage NUMBER,
  5  saddress VARCHAR2(20)
  6  );

Table created.

SQL> desc student
 Name                                      Null?    Type
 ----------------------------------------- -------- ----------------------------
 SID                                                NUMBER
 SNAME                                              VARCHAR2(20)
 SAGE                                               NUMBER
 SADDRESS                                           VARCHAR2(20)

SQL> select * from student;

no rows selected
```

```
SQL> ALTER TABLE student ADD sphone NUMBER;

Table altered.
```

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```
SQL> DESC STUDENT
 Name                                      Null?    Type
 ----------------------------------------- -------- ----------------------------
 SID                                                NUMBER
 SNAME                                              VARCHAR2(20)
 SAGE                                               NUMBER
 SADDRESS                                           VARCHAR2(20)
 SPHONE                                             NUMBER

SQL> ALTER TABLE student DROP COLUMN sphone;

Table altered.

SQL> desc student
 Name                                      Null?    Type
 ----------------------------------------- -------- ----------------------------
 SID                                                NUMBER
 SNAME                                              VARCHAR2(20)
 SAGE                                               NUMBER
 SADDRESS                                           VARCHAR2(20)
```

```
SQL> ALTER TABLE student modify sid VARCHAR2(20);

Table altered.

SQL> desc student
 Name                                      Null?    Type
 ----------------------------------------- -------- ----------------------------
 SID                                                VARCHAR2(20)
 SNAME                                              VARCHAR2(20)
 SAGE                                               NUMBER
 SADDRESS                                           VARCHAR2(20)

SQL> ALTER TABLE student RENAME COLUMN sid to rollno;

Table altered.

SQL> desc student
 Name                                      Null?    Type
 ----------------------------------------- -------- ----------------------------
 ROLLNO                                             VARCHAR2(20)
 SNAME                                              VARCHAR2(20)
 SAGE                                               NUMBER
 SADDRESS                                           VARCHAR2(20)

SQL> ALTER TABLE student RENAME to students;

Table altered.

SQL> desc students
 Name                                      Null?    Type
 ----------------------------------------- -------- ----------------------------
 ROLLNO                                             VARCHAR2(20)
 SNAME                                              VARCHAR2(20)
 SAGE                                               NUMBER
 SADDRESS                                           VARCHAR2(20)
```

```
SQL> ALTER TABLE students ADD PRIMARY KEY(rollno);

Table altered.

SQL> desc students
 Name                                      Null?    Type
 ----------------------------------------- -------- ----------------------------
 ROLLNO                                    NOT NULL VARCHAR2(20)
 SNAME                                              VARCHAR2(20)
 SAGE                                               NUMBER
 SADDRESS                                           VARCHAR2(20)
```

```
SQL> create table std(
  2  sid NUMBER,
  3  sname VARCHAR2(10),
  4  AGE INT
  5  );

Table created.

SQL> DROP TABLE STD;

Table dropped.
```

```
SQL> truncate table students;

Table truncated.

SQL> select * from students;

no rows selected
```

EXPERIMENT_2

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EXPERIMENT_2

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EXPERIMENT_2

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I E

VI VIEW_NAME

```
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I       I       VIEW                                    _list);
```

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E _3 :

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EXPERIMENT_4

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EXPERIMENT_4

ROLL NO : 224G1A0597

SHANTHA VARDHAN B

EXPERIMENT_4

ROLL NO : 224G1A0597

SHANTHA VARDHAN B

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EXPERIMENT _5

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EXPERIMENT _5

ROLL NO : 224G1A0597

SHANTHA VARDHAN B

EXPERIMENT _5

ROLL NO : 224G1A0597

SHANTHA VARDHAN B

EXPERIM

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Experiment-5

Aggregate functons(min,max,count,sum,avg)

To perform the aggregate functions you need to create a table and insert values

in itFor example we can take a table name called employee

Min function

It is used to find the minimum value int the column of a table

For example we are performing the above aggregate functions in the example.

Syntax :

Select min(column_name) from

table_name;Ex:

Select min(salary) from table_name;

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Max function :

It is used to find the maximum value int the column of a table.

Syntax:

Select max(column_name) from

table_name;Ex:

Select max(salary) from employee;

Count function :

It is used to count the how many rows in the column of a table.

Syntax:

Select count(column_name) from

table_name;Ex:

Select count(salary) from employee;

Sum function :

It is used to find the sum of the values in a row of a table.

Syntax :

Select sum(column_name) from

table_name;Ex:

Select sum(salary) from employee;

Avg function :

It is used to find the average of the column of a table.

Syntax:

Select avg(column_name) from

table_name;Ex:

Select avg(salary) from employee;

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EXPERIME

Primary key :

Foreign key :

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EXPERIMENT-12

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EXPERIME

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