Q- Create a table ies.

create table ies(

stu_id number (10) ,

stu_name varchar2(10),

s_pno number(10))

```
SQL> create table
  2  ies
  3  ( s_id number(10),
  4  stu_name varchar2(10),
  5  s_pno number(10));

Table created.

SQL> desc ies;
 Name                                      Null?    Type
 ----------------------------------------- -------- ----------------------------
 S_ID                                               NUMBER(10)
 STU_NAME                                           VARCHAR2(10)
 S_PNO                                              NUMBER(10)
```

Q- Add one column name with a_add.

 alter table ies

add s_add varchar2(20);

```
SQL> alter table ies
  2  add s_add varchar2(20);

Table altered.

SQL> desc ies;
 Name                                      Null?    Type
 ----------------------------------------- -------- ----------------------------
 S_ID                                      NOT NULL NUMBER(10)
 STU_NAME                                           VARCHAR2(10)
 S_PNO                                              NUMBER(10)
 S_ADD                                              VARCHAR2(20)
```

Q- Rename the stu_name to s_name.

 alter table ies

rename column stu_name to s_name;

```
SQL> alter table ies rename
  2  column stu_name to s_name;

Table altered.

SQL> desc ies;
 Name                                      Null?    Type
 ----------------------------------------- -------- ----------------------------
 S_ID                                      NOT NULL NUMBER(10)
 S_NAME                                             VARCHAR2(15)
 S_PNO                                              NUMBER(10)
 S_ADD                                              VARCHAR2(20)
```

Q-change the range of s_name varchar2(10)

Varchar2(15).

```
SQL> alter table ies
  2  modify stu_name varchar(15);

Table altered.

SQL> desc ies;
 Name                                      Null?    Type
 ----------------------------------------- -------- ----------------------------
 S_ID                                      NOT NULL NUMBER(10)
 STU_NAME                                           VARCHAR2(15)
 S_PNO                                              NUMBER(10)
 S_ADD                                              VARCHAR2(20)
```

Q- add primary key.

```
SQL> alter table ies
  2  add primary key(s_id);

Table altered.

SQL> desc ies;
 Name                                      Null?    Type
 ----------------------------------------- -------- ----------------------------
 S_ID                                      NOT NULL NUMBER(10)
 STU_NAME                                           VARCHAR2(10)
 S_PNO                                              NUMBER(10)
```

Q-Rename table ies to ies student.

```
SQL> alter table
  2  ies
  3  rename to
  4  ies_student;

Table altered.

SQL> desc ies_student;
 Name                                      Null?    Type
 ----------------------------------------- -------- ----------------------------
 S_ID                                      NOT NULL NUMBER(10)
 S_NAME                                             VARCHAR2(15)
 S_PNO                                              NUMBER(10)
 S_ADD                                              VARCHAR2(20)
```

Q-

1- All column
2- Only 3 column
3- User define

```
SQL> insert into ies_student
  2  values(1,'VENUS GARG',9801300569,'Bhopal');

1 row created.

SQL> insert into ies_student
  2  (s_id,s_name,s_pno)
  3  values(2,'Rahul yadav',6213786570);

1 row created.

SQL> select *
  2  from ies_student;

     S_ID S_NAME               S_PNO S_ADD
---------- ------------- ------------ --------------------
        1 VENUS GARG     9801300569 Bhopal
        2 Rahul yadav    6213786570
```

```
SQL> insert into
  2  ies_student
  3  vlaues($s_id,'&s_name',&s_pno,'&s_add');
Enter value for s_name: badal raj
Enter value for s_pno: 8987654690
Enter value for s_add: bhopal
```

Q- create a dummy table as ies_student.

```
SQL> create table dummy as select * from ies_student;

Table created.

SQL> desc dummy;
 Name                                      Null?    Type
 ----------------------------------------- -------- ----------------------------
 S_ID                                               NUMBER(10)
 S_NAME                                             VARCHAR2(15)
 S_PNO                                              NUMBER(10)
 S_ADD                                              VARCHAR2(20)
```

Q-Delete second record.

```
SQL> delete from
  2  ies_student
  3  where s_id=2;

1 row deleted.

SQL> desc ies_student;
 Name                                      Null?    Type
 ----------------------------------------- -------- ----------------------------
 S_ID                                      NOT NULL NUMBER(10)
 S_NAME                                             VARCHAR2(15)
 S_PNO                                              NUMBER(10)
 S_ADD                                              VARCHAR2(20)

SQL> select *from ies_student;

     S_ID S_NAME               S_PNO S_ADD
---------- --------------- ---------- --------------------
        1 VENUS GARG       9801300569 Bhopal
```

Q- Write a command to drop,delete,truncate,purge,rollback,commit.

commit;

drop table ies_student;

truncate table ies_student;

purge table ies_student;

rollback to s1;