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ID: 180030824   **PROJECT NO: 7**

STUDENT PERFORMANCE ANALYSE

1. Create 5 tables:

   i. Registration table:
   ```
   CREATE TABLE REGISTRATION(
   NAME VARCHAR(10) NOT NULL,
   ID_NUMBER NUMBER NOT NULL,
   EMAILID VARCHAR(10) NOT NULL,
   PASSWORD VARCHAR(10) NOT NULL,
   AGE NUMBER(2),
   PRIMARY KEY(ID_NUMBER)
   );
   ```

   ```
   SQL> DESC REGISTRATION
   Name                                     Null?    Type
   ---------------------------------------- -------- ----------------------------
   NAME                                     NOT NULL VARCHAR2(10)
   ID_NUMBER                                NOT NULL NUMBER
   EMAILID                                  NOT NULL VARCHAR2(10)
   PASSWORD                                 NOT NULL VARCHAR2(10)
   AGE                                               NUMBER(2)
   ```

   ii. Login table:
   ```
   CREATE TABLE LOGIN(
   EMAILID VARCHAR(15) NOT NULL,
   PASSWORD VARCHAR(15) NOT NULL
   );
   ```

   ```
   SQL> DESC LOGIN;
   Name                                     Null?    Type
   ---------------------------------------- -------- ----------------------------
   EMAILID                                  NOT NULL VARCHAR2(15)
   PASSWORD                                 NOT NULL VARCHAR2(15)
   ```

   iii. Event table:
   ```
   CREATE TABLE EVENT(
   EVENT_PLACE VARCHAR(10) NOT NULL,
   EVENT_TYPE VARCHAR(10) NOT NULL,
   EVENT_DATE DATE
   );
   ```

   ```
   SQL> DESC EVENT;
   Name                                     Null?    Type
   ---------------------------------------- -------- ----------------------------
   EVENT_PLACE                              NOT NULL VARCHAR2(10)
   EVENT_TYPE                               NOT NULL VARCHAR2(10)
   EVENT_DATE                                        DATE
   ```

    iv.   <u>Participant table:</u>

```
CREATE TABLE PARTICIPANT(
RECEIPT NUMBER NOT NULL,
REQUIREMENTS VARCHAR(10) NOT NULL,
ROOM_NUMBER NUMBER NOT NULL
);
```

```
SQL> DESC PARTICIPANT
 Name                                      Null?    Type
 ----------------------------------------- -------- ----------------------------
 RECEIPT                                   NOT NULL NUMBER
 REQUIREMENTS                              NOT NULL VARCHAR2(10)
 ROOM_NUMBER                               NOT NULL NUMBER
```

2. <u>Insetion of 5 records in each table:</u>

    i.   <u>Registration table:</u>

```
INSERT INTO REGISTRATION VALUES(
'SAFIA', 180030583, 'safiashaik', 'ADMIN', 18);
INSERT INTO REGISTRATION VALUES(
'KALYANI', 180031162, 'kalyani02', 'ADMIN01', 18);
INSERT INTO REGISTRATION VALUES(
'FAZEELA', 180030824, fazeela824, 'ADMIN02', 18);
INSERT INTO REGISTRATION VALUES(
'KAVYA', 180030609, 'chkavya', 'ADMIN03', 18);
```

```
SQL> SELECT * FROM REGISTRATION;

NAME        ID_NUMBER EMAILID    PASSWORD        AGE
--------- --------- --------- --------- ---------
SAFIA       180030583 safiashaik ADMIN            18
KALYANI     180031162 kalyani02  ADMIN01          18
FAZEELA     180030824 fazeela824 ADMIN02          18
KAVYA       180030609 chkavya    ADMIN03          18
```

    ii.   <u>Login table:</u>

```
INSERT INTO LOGIN VALUES('safiashaik', 'ADMIN');
INSERT INTO LOGIN VALUES('kalyani02', 'ADMIN01');
INSERT INTO LOGIN VALUES('fazeela824','ADMIN02');
INSERT INTO LOGIN VALUES('chkavya','ADMIN03');
```

```
SQL> SELECT * FROM LOGIN;

EMAILID         PASSWORD
--------------- ---------------
safiashaik      ADMIN
kalyani02       ADMIN01
fazeela824      ADMIN02
chkavya         ADMIN03
```

   iii.   <u>Event table:</u>
INSERT INTO EVENT VALUES('CBLOCK','JAVA',28-APR-2020);
INSERT INTO EVENT VALUES(
'FBLOCK','EXTRACURICCULAR', '27-APR-2020');
INSERT INTO EVENT VALUES('RBLOCK','C', '26-APR-2020');
INSERT INTO EVENT VALUES('FBLOCK','JAVA', '27-APR-2020');
INSERT INTO EVENT VALUES('CBLOCK','C', '26-APR-2020');

```
SQL> SELECT * FROM EVENT;

EVENT_PLAC EVENT_TYPE EVENT_DAT
---------- ---------- ---------
CBLOCK     JAVA       28-APR-20
FBLOCK     EXTRACURRI 27-APR-20
RBLOCK     C          26-APR-20
FBLOCK     JAVA       27-APR-20
CBLOCK     C          26-APR-20
```

   iv.   <u>Participant table:</u>
INSERT INTO PARTICIPANT VALUES(1234,'GROUP',210);
INSERT INTO PARTICIPANT VALUES(4567, 'LAPTOP', 225);
INSERT INTO PARTICIPANT VALUES(8901, 'LAPTOP', 410);
INSERT INTO PARTICIPANT VALUES(2546, 'PRACTICE', 409);
INSERT INTO PARTICIPANT VALUES(7845, 'LAPTOP', 307);

```
SQL> SELECT * FROM PARTICIPANT;

   RECEIPT REQUIREMEN ROOM_NUMBER
---------- ---------- -----------
      1234 GROUP              210
      4567 LAPTOP             225
      8901 LAPTOP             410
      2456 PRACTICE           409
      7845 LAPTOP             307
```

3. <u>Aggregate functions:</u>
   i.   <u>Inner join:</u>
SELECT REGISTRATION.NAME, REGISTRATION.ID_NUMBER,
REGISTRATION.PASSWORD
FROM REGISTRATION
INNER JOIN LOGIN
ON REGISTRATION.EMAILID=LOGIN.EMAILID;

```
SQL> SELECT REGISTRATION.NAME, REGISTRATION.ID_NUMBER, REGISTRATION.PASSWORD
  2  FROM REGISTRATION
  3  INNER JOIN LOGIN
  4  ON
  5  REGISTRATION.EMAILID=LOGIN.EMAILID;

NAME        ID_NUMBER PASSWORD
---------- ---------- ----------
SAFIA       180030583 ADMIN
KALYANI     180031162 ADMIN01
FAZEELA     180030824 ADMIN02
KAVYA       180030609 ADMIN03
```

ii.   **MAX function:**
SELECT MAX(AGE) FROM REGISTRATION;

```
SQL> SELECT MAX(AGE) FROM REGISTRATION;

  MAX(AGE)
----------
        18
```

iii.   **COUNT function:**
SELECT COUNT(AGE) FROM REGISTRATION
WHERE AGE=18;

```
SQL> SELECT COUNT(AGE) FROM REGISTRATION
  2  WHERE AGE=18;

COUNT(AGE)
----------
         4
```

iv.   **DISTINCT function:**
SELECT DISTINCT(EVENT_TYPE) FROM EVENT;

```
SQL> SELECT DISTINCT(EVENT_TYPE) FROM EVENT;

EVENT_TYPE
----------
JAVA
EXTRACURRI
C
```