

Q1. Define degree and cardinality of a table.

Q2. Differentiate between DML and DDL.

Q3. Consider the following tables ACTIVITY and COACH and answer the questions.

Table:ACTIVITY

Acode	Activity Name	Stadium	Participants Number	Prize Money	Schedule Date
1001	Relay	Star Annex	16	10000	23-Jan-2004
1002	High Jump	Star Annex	10	12000	12-Dec-2003
1003	Shot Put	Super Power	12	8000	14-Feb-2004
1005	Long Jump	Star Annex	12	9000	01-Jan-2004
1008	Discuss Throw	Super Power	10	15000	19-Mar-2004

Table:COACH

PCode	Name	Acode
1	Ahmed Hussain	1001
2	Rvinder	1008
3	Janila	1001
4	Naaz	1003

Write the SQL commands for the following statements:

(1) To display the names of all activities with their Acodes in descending order.

(2) To display the sum of PrizeMoney for the activities played in each of the Stadium separately.

(3) To display the coach's name and Acodes in ascending order of Acode from the table Coach.

(4) To display the contents of the Activity Table whose ScheduleDate earlier

than 01/01/2004 in ascending order of ParticipantsNum.

Give the output of the following SQL queries.

(1) SELECT COUNT(DISTINCT ParticipantNum) FROM ACTIVITY;

(2) SELECT MAX(Schedule Date), MIN(Schedule Date) FROM ACTIVITY;

(3) SELECT Name, ActivityName FROM ACTIVITY A, COACH C WHERE A.Acode=C.Acode AND A.Participants Number=10;

(4) SELECT DISTINCT(PARTICIPANTS NUM) FROM ACTIVITY;

Q4. Consider the following tables GAMES and CODE and answer the questions.

Table: GAMES

Gcode	Game Name	Type	Number	Prize Money	Schedule Date
101	Carrom Board	Indoor	16	5000	23-Jan-2004
102	Badminton	Outdoor	10	12000	12-Dec-2003
103	Table Tennis	Indoor	12	8000	14-Feb-2004
105	Chess	Indoor	12	9000	01-Jan-2004
108	Lawn Tennis	Outdoor	10	25000	19-Mar-2004

Table:PLAYER

PCode	Name	Gcode
1	Nabi Ahmed	101
2	Ravi Sahai	108
3	Jatin	101
4	Naveen	103

Write the SQL commands for the following statements:

(1) To display the names of all GAMES with their Gcodes .

(2) To display the details of those GAMES which are having PrizeMoney more than 7000.

(3) To display the content OF THE GAME S table in ascending order of Schedule Date.

(4) To display the sum of PrizeMoney from each type of Game.

Give the output of the following SQL queries.

(1) SELECT COUNT(DISTINCT Number) FROM GAMES;

(2) SELECT MAX(Schedule Date), MIN(Schedule Date) FROM GAMES;

(3) SELECT Name, GameName FROM GAMES G, PLAYER P WHERE G.Gcode=P.Gcode AND PrizeMoney>10000;

(4) SELECT DISTINCT(Gcode) FROM PLAYER;