**DBMS S4 AI – Lab Exam**  **10/Aug/23 FN**

Create the following relations with the given constraints:

Event (eventid, name, description,city)

Participant (playerid, name, eventid, gender, year)

Prizes (prizeid, prize-money, eventid, rank,year)

Winners (prizeid, playerid)

1. Choose appropriate primary keys for each table.

2. Choose foreign keys wherever needed.

3. Prize-money is of format xxxx.xx and maximum prize that can be awarded is

1500.00 and minimum prize awarded is 500.00

5. playerid should contain at least one digit character.

6. Event names cannot be repeated.

7. Player name, event name, prize-money and dateofevent cannot be blank.

8. Rank can take any of these values only - 1, 2, 3.

9. Prevent users from giving bogus gender values

**Questions**

1. populate each relation with 10 tuples.
2. Retrieve the names of the persons who have won the highest number of 1st, 2nd and 3rd prizes.
3. Retrieve the name of events where all prize winners are females.
4. Retrieve the name of the person who has won the highest amount of prize,

That is, if ‘Alice’ got two prices, the amount of prize would be the sum of prize money

1. Retrieve the name of the events which do not have 3 prize winners.
2. Retrieve the name of all 2nd prize winners along with the event name.