BHARTIYA SKILL DEVELOPMENT UNIVERSITY

Question Paper

School of Machine Learning & Artificial Intelligence

First Semester, 1st In-Sem. Examination

B. Voc. Program, Summer Semester (2018-19)

MAI1102 Databases   **Time: 1.5 Hour**

Max. Marks: 20

Instruction: Attempt All Questions.

Section – A

20 x 0.5 = 10 Marks

1. With SQL, how do you select all the records from a table named "Persons" where the "LastName" is alphabetically between (and including) "Hansen" and "Pettersen"?

A) SELECT LastName>'Hansen' AND LastName<'Pettersen' FROM Persons
B) SELECT * FROM Persons WHERE LastName>'Hansen' AND LastName<'Pettersen'
C) SELECT * FROM Persons WHERE LastName BETWEEN 'Hansen' AND 'Pettersen'
D) SELECT * FROM Persons WHERE LastName 'Hansen' AND 'Pettersen'

2. Which SQL keyword is used to sort the result-set?

 A) ORDER   B) SORT BY   C) ORDER BY   D) SORT

3. With SQL, how can you insert a new record into the "Persons" table?

A) INSERT VALUES ('Jimmy', 'Jackson') INTO Persons
B) INSERT INTO Persons VALUES ('Jimmy', 'Jackson')
C) INSERT ('Jimmy', 'Jackson') INTO Persons
D) INSERT Persons VALUES ('Jimmy', 'Jackson')

4. With SQL, how can you delete the records where the "FirstName" is "Peter" in the Persons Table?

A) DELETE FROM Persons WHERE FirstName = 'Peter'
B) DELETE FirstName='Peter' FROM Persons
C) DELETE ROW FirstName='Peter' FROM Persons
D) DELETE FirstName='Peter' Row FROM Persons

5. Which operator is used to select values within a range?

A) RANGE   B) BETWEEN   C) WITHIN   D) SCALE

BHARTIYA SKILL DEVELOPMENT UNIVERSITY

6. Which SQL statement is used to create a table in a database?

A) CREATE DATABASE TAB
B) CREATE TABLE
C) CREATE DATABASE TABLE
D) CREATE DB

7. With SQL, how do you select all the records from a table named "Persons" where the "FirstName" is "Peter" and the "LastName" is "Jackson"?

A) SELECT * FROM Persons WHERE FirstName='Peter' AND LastName='Jackson'
B) SELECT FirstName='Peter', LastName='Jackson' FROM Persons
C) SELECT * FROM Persons WHERE FirstName<>'Peter' AND LastName<>'Jackson'
D) SELECT * FROM Persons WHERE FirstName=Peter AND LastName=Jackson

8. The OR operator displays a record if ANY conditions listed are true. The AND operator displays a record if ALL of the conditions listed are true

A) False   B) True

9. With SQL, how do you select all the records from a table named "Persons" where the value of the column "FirstName" starts with an "a"?

A) SELECT * FROM Persons WHERE FirstName='a'   B) SELECT * FROM Persons WHERE FirstName LIKE '%a'   C) SELECT * FROM Persons WHERE FirstName LIKE 'a%'   D) SELECT * FROM Persons WHERE FirstName='%a%'

10. What does SQL stand for?

A) Structured Query Language   B) Strong Question Language
C) Structured Question Language   D) Short Query Letter

11. Which SQL statement is used to return only different values?

A) SELECT UNIQUE   B) SELECT DIFFERENT   C) SELECT DISTINCT
D) SELECT SAME

BHARTIYA SKILL DEVELOPMENT UNIVERSITY

12. Which SQL statement is used to extract data from a database?

A) SELECT   B) EXTRACT   C) GET   D) OPEN

13. With SQL, how can you return all the records from a table named "Persons" sorted descending by "FirstName"?

A) SELECT * FROM Persons ORDER FirstName DESC
B) SELECT * FROM Persons SORT 'FirstName' DESC
C) SELECT * FROM Persons SORT BY 'FirstName' DESC
D) SELECT * FROM Persons ORDER BY FirstName DESC

14. Which SQL statement is used to insert new data in a database?

A) INSERT NEW   B) ADD NEW   C) INSERT INTO   D) ADD RECORD

15. With SQL, how can you insert "Olsen" as the "LastName" in the "Persons" table?

A) INSERT ('Olsen') INTO Persons (LastName)
B) INSERT INTO Persons ('Olsen') INTO LastName
C) INSERT INTO Persons (LastName) VALUES ('Olsen')
D) INSERT INTO Persons (Olsen) INTO LastName

16. With SQL, how do you select a column named "FirstName" from a table named "Persons"?

A) SELECT FirstName FROM Persons   B) EXTRACT FirstName FROM Persons
B) C. SELECT Persons.FirstName   D) SELECT FirstName FROM Person

17. With SQL, how can you return the number of records in the "Persons" table?

A) SELECT COLUMNS(*) FROM Persons
B) SELECT COUNT(*) FROM Persons
C) SELECT NO(*) FROM Persons
D) SELECT LEN(*) FROM Persons

18. With SQL, how do you select all the columns from a table named "Persons"?

A) SELECT * FROM Persons   B) SELECT Persons   C) SELECT [all] FROM Persons
D) SELECT *.Persons

19. Which operator is used to search for a specified pattern in a column?

BHARTIYA SKILL DEVELOPMENT UNIVERSITY

A) GET   B) LIKE   C) FROM   D) SELECT

20. With SQL, how do you select all the records from a table named "Persons" where the value of the column "FirstName" is "Peter"?

A) SELECT [all] FROM Persons WHERE FirstName LIKE 'Peter'
B) SELECT * FROM Persons WHERE FirstName='Peter'
C) SELECT * FROM Persons WHERE FirstName<>'Peter'
D) SELECT [all] FROM Persons WHERE FirstName='Peter'

Section – B

05 x 02 = 10 Marks

Note – 1. Create Database marathonDB
    2. Import the given marathon.csv into database

1. Write a Query that prints FirstName and Place from the marathon table
        - person who is Female from RI State,
        - Age is Greater than 40,
        - Arrange FirstName in alphabetically?

2. Write a Query that prints Firstname and Lastname from the marathon table of persons who is from "N Prov" Town and are in top 50?

3. Write a Query that prints Average Pace from the marathon table, Age is From 40 to 50?

4. Write a Query that prints the minimum Age from marathon table that is greater than 39 ?

5. Write a Query that prints a list of firstnames from the marathon table in alphabetical order.