

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. What does SQL stand for?

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

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

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

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

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

4. 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

5. 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

6. 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'

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7. 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%'

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 "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

10. 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'

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

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

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

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

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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. 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')

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 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

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

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

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

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

20. 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

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 the minimum Age from marathon table that is greater than 39 ?
2. Write a Query that prints a list of firstnames from the marathon table in alphabetical order.
3. Write a Query that prints Average Pace from the marathon table, Age is From 40 to 50?
4. 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?
5. 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?