KodNest

PRACTICE QUESTIONS

Question 1-A: Create a table named "EmployeeDetails" with the following columns: "EmployeeID", "FirstName", "LastName", and "Salary". Write the SQL statement for creating the same.
Note: Write and execute table creation query under kodnest database in MySql

Answer 1-A:
In MySQL:

```
CREATE DATABASE KODNEST;
USE KODNEST;
CREATE TABLE EmployeeDetails (
   EmployeeID INT,
   FirstName VARCHAR(50),
   LastName VARCHAR(50),
   Salary DECIMAL
);
```

In Oracle:

```
CREATE TABLE EmployeeDetails (
   EmployeeID NUMBER,
   FirstName VARCHAR2(50),
   LastName VARCHAR2(50),
   Salary NUMBER
);
```

Question 1-B: Insert the below given two records into the created EmployeeDetails table
First record:
Employeeid-1
Firstname- 'Nikitha',
Lastname- 'Sharma'
Salary- 50000.00
Second record:
Employeeid- 2
Firstname- 'Akash'
Lastname-'Pandey'
Salary- 60000.50

Expected Output table:

```
+------------+-----------+----------+--------+
| EmployeeID | FirstName | LastName | Salary |
+------------+-----------+----------+--------+
|          1 | Nikitha   | Sharma   |  50000 |
|          2 | Akash     | Pandey   |  60001 |
+------------+-----------+----------+--------+
```

Answer 1-B:
In MySQL:

```
INSERT INTO EmployeeDetails VALUES(1, 'Nikitha', 'Sharma', 50000.00);
INSERT INTO EmployeeDetails VALUES(2, 'Akash', 'Pandey', 60000.50);
```

In Oracle:

```
INSERT INTO EmployeeDetails VALUES (1, 'Nikitha', 'Sharma', 50000.00);
INSERT INTO EmployeeDetails VALUES(2, 'Akash', 'Pandey', 60000.50);
```

Question 2-A: Create an Oracle table named "Products" with the following columns: "ProductID" , "ProductName" , "Description" , and "Price" . Write the SQL statement for creating the same.
Note: In MySQL create table under kodnest database

Answer 2-A:
In MySQL:

```
CREATE TABLE Products (
   ProductID INT,
   ProductName VARCHAR(100),
   Description VARCHAR(255),
   Price DECIMAL
);
```

In Oracle:

```
CREATE TABLE Products (
   ProductID NUMBER,
   ProductName VARCHAR2(100),
   Description VARCHAR2(255),
   Price NUMBER(10, 2)
);
```

Question 2-B: Insert below given three records into Product table
Record-1
Product_id-1
ProductName- 'Widget A'
Description- 'High-quality widget'
Price- 19.99
Record-2
Product_id- 2
ProductName- 'Widget B'
Description- 'Economical widget'
Price- 9.99
Record-3
Product_id- 3
ProductName- 'Widget C'
Description- 'Advanced widget'
Price- 29.99

Answer 2-B:
In MySQL:

```
INSERT INTO Products VALUES
   (1, 'Widget A', 'High-quality widget', 19.99),
   (2, 'Widget B', 'Economical widget', 9.99),
   (3, 'Widget C', 'Advanced widget', 29.99);
```

In Oracle:

```
INSERT INTO Products VALUES(1, 'Widget A', 'High-quality widget', 19.99);
INSERT INTO Products VALUES(2, 'Widget B', 'Economical widget', 9.99);
INSERT INTO Products VALUES (3, 'Widget C', 'Advanced widget', 29.99);
```

Question-3

Write a query to create a table named “CourseDetail” and insert values as shown below:

Expected Output table:

course_id	course_name	course_fees
101	Data science	65000.00
102	cyber security	75000.00
103	Full stack web development	80000.00
104	cloud computing	35000.00
105	Software Testing	48000.00
106	Mobile development	40000.00

Question-4

Write a query to create a table “Emp” and insert values as shown below:

Expected Output table:

Employee_id	Employee_name	Employee_salary
101	Amit	65000.00
102	Ramesh	75000.00
103	Kavya	80000.00
104	Akash	35000.00
105	Pooja	48000.00
106	Sahana	40000.00