

CURSORS & FUNCTIONS

QUESTION 1

Create a table called “**products_copy**” with the exact same structure as “**products**” table in W3 database

QUESTION 2

Using a cursor on “**products**” table, create a backup of on those products which the price is an odd number, and insert them into the table of “**products_copy**”.

QUESTION 3

Write a function named **LegalAge** with a birth date as an input and returns a Boolean status if the person is in the legal age (+18) or not.

Sample usage:

```
SELECT EmployeeID, LastName, FirstName, dbo.LegalAge(Birthdate) as Legal FROM employees;
```

```
*****
```

```
EmployeeID | LastName | FirstName | Legal
```

```
*****
```

```
1          | Davolio  | Nancy     | True
2          | Fuller   | Andrew    | True
...         | ...      | ...       | False
```

QUESTION 4

Write a function to give *SupplierID* as an input and return the name of the supplier as an output on W3 database using CURSOR.

Sample usage:

```
SELECT ProductID, ProductName, dbo.SupplierName(SupplierID) AS  
SupplierName FROM products;
```

```
*****
```

```
ProductID    | ProductName      | SupplierName
```

```
*****
```

```
1            | Chais            | Exotic Liquid
```

```
2            | Chang            | Exotic Liquid
```

```
. . .        | . . .            | . . .
```

```
10           | Ikura            | Tokyo Traders
```

QUESTION 5

Your task is to write a SQL query that retrieves all the products from the Products table, one by one, and prints the **ProductID**, **ProductName**, and **Price** in the format:

ProductID - ProductName – Price

QUESTION 6

Your task is to write a SQL query that will:

1. Retrieve all customers from **Canada**.
2. Print each customer's name along with their country in the format:
CustomerName / Country
3. Use a cursor to iterate through the result set and print each entry.
4. Ensure the cursor is properly closed and deallocated after processing.