QUESTION 1 : Calculate Total Bill at a Restaurant

You are dining at a restaurant, and you need to implement a logic to calculate the total bill based on the food items you ordered and the restaurant's location. The rules for calculating the total bill are as follows:

The base cost of each food item is as follows:

Main Course: 4000

Appetizer: 1000

Dessert: 500

If you order 3 or more food items, you get a 10% discount on the total bill.

If the restaurant's location is "International", there is an additional 15% service charge on the total bill.

You need to write code that takes the following inputs:

mainCourseCount: a number representing the quantity of main course items you ordered.

appetizerCount: a number representing the quantity of appetizers you ordered.

dessertCount: a number representing the quantity of desserts you ordered.

restaurantLocation: a string representing the restaurant's location ("International" or "Domestic").

Your code should calculate and output the total bill based on the rules mentioned above.

QUESTION 2 : Check Eligibility for Driving License

You are building a program to check if a person is eligible to apply for a driving license based on their age and the type of vehicle they want to drive. The rules for eligibility are as follows:

The person must be at least 18 years old to apply for any vehicle type.

If the person is between 16 and 17 years old, they can apply for a moped or a scooter (vehicle type "M" or "S").

If the person is below 16 years old, they are not eligible to apply for any vehicle type.

Write a JavaScript code that takes the following inputs:

age: a number representing the age of the person.

vehicleType: a string representing the type of vehicle they want to drive ("M" for moped, "S" for scooter, or "C" for car).

Your code should check if the person is eligible to apply for a driving license based on the rules mentioned above. If eligible, it should output "Eligible", and if not, it should output "Not Eligible."

QUESTION 3: Check Eligibility for Discount

You are building a program for an online store that offers a discount based on the customer's age and total purchase amount. The rules for the discount are as follows:

If the customer is a senior citizen (age 60 or above), they get a 20% discount on the purchase.

If the customer is not a senior citizen but the purchase amount is $100 or more, they get a 10% discount.

Write a JavaScript code that takes the following inputs:

customerAge: a number representing the age of the customer.

purchaseAmount: a number representing the total purchase amount.

Your code should check if the customer is eligible for a discount based on the rules mentioned above. If eligible, it should output the discounted amount, and if not, it should output the original purchase amount.