1. You are tracking your daily expenses over two days to manage your budget effectively. You have a total of Rs. 350 in hand, the amount spent is given in the table below. Calculate the following using JavaScript:
   * 1. Calculate the total amount spent on Day 1.
     2. Calculate the total amount spent on Day 2.
     3. Find the total amount spent on both days.
     4. Calculate the average amount spent per day.
     5. Determine the amount remaining from a given initial total amount after all expenses.

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| **DAY** | **Product Bought** | **Quantity** | **Cost** |
| **DAY 1** | Apple | 2Kg | Rs. 50/kg |
| Milk | 3l | Rs 20/l |
| **DAY 2** | Bread | 2 Pack | Rs. 35/Pack |
| Egg | 1 dozen | Rs 9/egg |

1. Write a JavaScript function that calculates a student's total marks, average percentage, and grade based on their marks in three subjects: English, Mathematics, and Physics. The function should also display the individual marks, total marks, percentage, and grade. Use the following conditions:
   * If any subject mark is below 35, the student is considered to have failed, and the grade should be "Fail."
   * If all subject marks are 35 or above, assign a grade based on the average percentage:
     1. Less than 45%: "Pass"
     2. 45% to less than 60%: "Second Class"
     3. 60% to less than 85%: "First Class"
     4. 85% or above: "Distinction"
2. Create a web-based calculator using HTML and JavaScript that performs basic arithmetic operations (addition, subtraction, average calculation, and multiplication) on two numbers provided by the user. The calculator should prompt the user to enter two numbers and then select an operation from a list of options. The available operations include addition, subtraction, average, multiplication, and a display of all calculations. The calculator should handle invalid inputs gracefully, defaulting to zero for non-numeric values, and should allow the user to exit the program at any point. The implementation should ensure continuous operation until the user explicitly chooses to exit.
3. Write a function to calculate BMI and BMR for a man and a woman. The function should take an object containing the details of each individual, such as weight, height, and age, and use these details to compute the BMI and BMR. The function should also use this keyword and the call method to execute the program. The formulas are given below:
   * Body Mass Index:



* + (Basal Metabolic Rate)BMR:
    1. For Men:
       - BMR=88.362+(13.397×weight)+(4.799×height)−(5.677×age)
    2. For Women:
       - BMR=447.593+(9.247×weight)+(3.098×height)−(4.330×age)

Note: units are Weight in Kg, height in cm, and age in Years;