

1. CarMax Petrol Station sells Super Petrol, V-Power, and Diesel brands of fuel at a cost of Ksh.193.84, Ksh. 205.25, and Ksh.183.38 per liter respectively. The station also offers car wash services at ksh.300. Write an interactive event procedure in VB to prompt the pump attendant to input the type of fuel, number of liters, and whether or not the vehicle is to be washed. The procedure should then calculate the total cost and output the results. (10 Marks)

2. A shop offers varying discounts for purchases of goods based on the following codes:

Code0: Discount = 0% on the sale value

Code1: Discount = 5% on the sale value

Code2: Discount = 10% on the sale value

Code3: Discount = 15% on the sale value

Code4: Discount =20% on the sale value

Code

Write a Visual Basic program that captures code and sale value using textboxes. The program then calculates the discount and displays the output on a label control. Attach the code to cmdDisc_Click event. Use Select Case construct. (10 Marks)

3. (10 Marks)

Write a program to calculate the weekly pay of an employee. The user enters the number of hours of normal time worked in the week. They select their hourly rate from a list box. They also enter the number of hours of overtime worked. Overtime is paid at double the hourly rate.

The screenshot shows a Visual Basic application window titled "Show Me The Money". The window contains a form with the following elements:

- Hours Worked:** A text box containing the value "25".
- Overtime:** A checkbox labeled "Overtime" which is checked, followed by a text box containing the value "3".
- Calculate Pay:** A button labeled "Calculate Pay".
- Total Pay:** A text box containing the value "1201.50".
- Hourly Rate Or Pay:** A list box containing the following values: 5.00, 5.50, 6.00, 6.50 (highlighted), 7.00, 7.50, and 8.00.