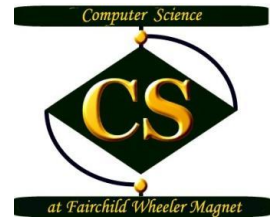


Decision Structures (6)



1. Write a program that will let you enter a price and a number (a 1 , 2 or a 3). If a 1 is entered there is no discount, if a 2 is entered the discount is 10%, if a 3 is entered the discount is 20%. Print out final price.

Sample

Enter a price : 35

Enter a 1, 2 or 3 : 2

Final price is 31.50

2. Write a program that will ask you to enter a temperature, and will then ask you to enter a 1 for Celsius or a 2 for Fahrenheit. If you enter a 1 then you will convert the Fahrenheit temperature entered to Celsius. If you enter a 2 then you will convert the Celsius temperature entered to Fahrenheit. Formulas are

$$C = (F - 32) * 5.0/9$$

$$F = (C * 9.0/5) + 32$$

Sample Output

Enter Temperature : 100

Convert to (1 for C or 2 for F) : 1

Temperature in Fahrenheit is 212

3. Enter 1 for Regular or 2 for Premium gas, enter number of gallons bought and it will tell you how much you owe. (Regular is \$3.94 and Premium is 4.12 a gallon)

Sample Output

Enter number of gallons bought 5
Enter 1 for Regular or 2 for Premium 2
Cost is 20.60

4. Enter a number between 1 and 7. For each number the person using the program enter a different fortune will come out.

Enter a number between 1 and 7 : 5
You will have a long life