Temperature Converter

C and F Temperature Converter – Algorithm in words

1. Print a message to tell user that this is a Temperature converter program.
2. Print a message showing the two choices the user can choose from:

   1 for converting Celsius to Fahrenheit

   2 for converting Fahrenheit to Celsius
3. Take input of choice from the user and store it in the variable **CHOICE.**
4. Use if statement to check If **CHOICE** == 1, then do the following:
   - Input temperature in Celsiuse from user, type cast it to float and store the value in variable **TEMP**
   - Calculate temperature in Fahrenheit using the following formula, and storing the answer to variable **ANSWER** as follows:

     ANSWER = (TEMP * 1.8) + 32
   - Print out the **temperature in Fahrenheit** by outputting the value stored in the variable **ANSWER** using the print statement.
5. **Else** do the following (which means user's choice is 2):
   - Input temperature in Fahrenheit from user, type cast it to float and store the value in variable **TEMP**
   - Calculate the **temperature in Celsius** using the following formula and storing the answer in variable **ANSWER** as follows:

     ANSWER = (TEMP - 32)/ 1.8
   - Print out the temperature in Celsius by outputting the value stored in the variable **ANSWER** using the print statement.
6. End the Program

Shopping bill Calculator

Shopping Bill Calculator – Algorithm in words

You can make a shopping bill calculator for item from minimum 3 to maximum 5

1. Print a message to tell user that this is a shopping bill calculator program.
2. Since **we are taking only 3 items** you will write the program as follows:
3. Ask user for **PRICE** and **QUANTITY** of item 1 using input statement…for **PRICE**, input statement should be type casted to **float**, and for **QUANTITY**, input statement should be type casted to **int.**
4. After you have taken price and quantity of item 1, use the following formula to add the product of PRICE and QUANTITY tp the variable TOTAL which is storing the total bill.

   TOTAL = TOTAL + (PRICE * QUANTITY)
5. Do the same procedure for item2 and item3.
6. After you have added the total bill for each item to variable TOTAL, use the print statement to output the TOTAL bill using a user friendly message such as “The total bill is: ”, followed by the variable TOTAL.