1-Task Description

Create a python function that prompts the user to input a budget and the cost of a single item. The function must Calculate whether the item is affordable and determine the financial difference

Function Requirements:

Define Function

Prompt the user to enter their total budget (as an integer).

Prompt the user to enter the cost of an item (as an integer).

Compare the item's cost with the budget.

If the item's is affordable: calculate the remaining amount and print a success message including the remainder.

Otherwise (if too expensive): calculate how much more money is needed and print an alert message including the needed amount.

2- Task Description

Create a python function that accepts a sentence input from user and formats it using “Title case” where the first letter of every word is capitalized.

Function Requirements:

Define Function.

Prompt the user to enter a sentence.

Use a string method to convert the sentence to Title Case.

Print the original sentence and the resulting formatted sentence.

3- Task Description

Create a python function that calculate the sum of two floating numbers provided by the user and then compares the total sum against the value of 100

Function Requirements:

Define Function.

Prompt the user to enter the first number (as a float).

Prompt the user to enter the second number (as a float).

Calculate the sum of the two numbers.

Compare the sum with 100:

If the sum is 100 or greater , print the result and a message indicating it is "grater than 100".

If the sum is less than 100 , print the result and the message indicating it is "smaller than 100".

4- Task Description

Create a python function named remove_from_list that defines a list of item . The function must prompt the user to enter an item to remove.it should use an **if-else** statement to check if the item is present in the list. If found, the item is removed ; otherwise, a message indicating the item was not found

Function Requirement:
Define function named remove_from_list.
Define a list with four string items (e.g My_list=['Apple','Banana','Cherry','Data']).
Prompt the user to enter the item they want to remove.
Use an If statement to check if the item in the list .
If the item in the list , use list.remove() and print a success message.
Use an else statement to print a message indicating the item was not found
Print the final update list

5- Task Description

Create a python function named calculate_factorial that calculate the factorial of positive integer N .

The factorial is the product of all positive integer less than or equal N . The function must prompt the user to enter a positive integer N. use for loop to iterate and multiply the numbers from 1 up to N.

Example: 5!=5*4*3*2*1=120

Function Requirement:

Define the function calculate_factorial.

Prompt the user to enter a positive integer N.

Initialize a variable named result to 1(0!=1)

Use a for loop along with the range() function to iterate from 1 up to N.

Inside the loop, multiply the current number by the current result.

Print the final factorial value