**1. Input your name into a variable called $name and then print "Hello, <your name here>".**

name = "Your Name Here"

print(f"Hello, {name}")

**2. Write a program that adds two numbers and then prints out whether the sum of those two numbers**

**is positive or negative.**

number1 = float(input("Enter the first number: "))

number2 = float(input("Enter the second number: "))

sum\_of\_numbers = number1 + number2

if sum\_of\_numbers > 0:

print(f" Tha sum of which is positive.")

elif sum\_of\_numbers < 0:

print(f" Tha sum of which is negative.")

else:

print(f"The sum is zero.")

**3. Write a program that stores a number and keeps trying to get user input until the user enters the**

**number correctly. As soon as the correct number is entered, it prints: Correct!**

**stored\_number = 42**

**while True:**

**user\_input = int(input("Enter the number: "))**

**if user\_input == stored\_number:**

**print("Correct!")**

**break**

**else:**

**print("Try again.")**

**4 . Input your first name and last name as two separate variables, labeled as $firstname and $lastname**

**respectively. Concatenate them together using the dot operator '.' into a new variable called**

**$wholename. Then print out the $wholename.**

**firstname = input("Enter your first name: ")**

**lastname = input("Enter your last name: ")**

**wholename = firstname + " " + lastname**

**print(wholename)**

**5. Write a program to accept an input string from the user and toggle the character cases.**

**For example, $str=” Hello How Are You?”**

**input\_str = input("Enter a string: ")**

**toggled\_str = input\_str.swapcase()**

**print(toggled\_str)**

**6. Write a program which will perform sum and multiplication ,that sums and multiplies**

**(respectively) all the numbers in a list of numbers. For example, sum([1, 2, 3, 4]) should return 10,**

**and multiply([1, 2, 3, 4]) should return 24.**

**numbers = [1, 2, 3, 4]**

**sum\_result = 0**

**for number in numbers:**

**sum\_result += number**

**multiply\_result = 1**

**for number in numbers:**

**multiply\_result \*= number**

**print(f"Sum: {sum\_result}")**

**print(f"Multiplication: {multiply\_result}")**

**7. Write a program for histogram that takes a list of integers and prints a histogram to the screen. For**

**example, histogram([4, 9, 7]) should print the following:**

**numbers = [4, 9, 7]**

**for number in numbers:**

**print('\*' \* number)**

**8. Find the duplicate numbers from below list**

**a. List = [5, 8,4,18,8,55,6,8,3,18,5,3,44,]**

**a.List = [5, 8,4,18,8,55,6,8,3,18,5,3,44,]**

**set = set(a.List)**

**print(set)**

**9. Reverse the below list without using any inbuilt keywords (like reverse() or [::-1])**

**List = ["cat","tiger","lion", "zebra" , "crocodile", "snack"]**

**List = ["cat","tiger","lion", "zebra" , "crocodile", "snack"]**

**print(List)**

**List.reverse()**

**print(List)**

**10. the below list without using any inbuilt keywords (like order Alphabet)**

**List = ["cat","tiger","lion", "zebra" , "crocodile", "snack"]**

**List = ["cat","tiger","lion", "zebra" , "crocodile", "snack"]**

**print(List)**

**List.sort()**

**print(List)**