Assignment - 5 Full Stack Web Development using Python MySirG

Operators

1. Write a python script to remove the last digit from a given number. (for example, if

user enters 2534 then your output should be 253)

def remove\_last\_digit(number):  
 return number // 10  
  
*# Take user input*number = int(input("Enter a number: "))  
  
*# Remove the last digit*result = remove\_last\_digit(number)  
  
*# Print the result*print("Result:", result)

2. Write a python script to get the last digit from a given number. (for example, if user

enters 2089 then your output should be 9)

def remove\_last\_digit(number):  
 return number % 10  
  
*# Take user input*number = int(input("Enter a number: "))  
  
*# Remove the last digit*result = remove\_last\_digit(number)  
  
*# Print the result*print("Result:", result)

3. Write a python script to swap data of two variables

def swap\_variables(var1, var2):  
 temp = var1  
 var1 = var2  
 var2 = temp  
 return var1, var2  
  
*# Take user input*var1 = input("Enter the value of variable 1: ")  
var2 = input("Enter the value of variable 2: ")  
  
*# Print the original values*print("Before swapping:")  
print("Variable 1 =", var1)  
print("Variable 2 =", var2)  
  
*# Swap the variables*var1, var2 = swap\_variables(var1, var2)  
  
*# Print the swapped values*print("After swapping:")  
print("Variable 1 =", var1)  
print("Variable 2 =", var2)

4. Write a python script to find x power y, where values of x and y are given by user

*# Take user input*x = float(input("Enter the value of x: "))  
y = float(input("Enter the value of y: "))  
  
*# Calculate x raised to the power of y*result = x \*\* y  
  
*# Print the result*print("Result:", result)

5. Write a python script which takes a three digit number from the user and displays

only its first digit.

def remove\_last\_digit(number):  
 return number // 100  
  
*# Take user input*number = int(input("Enter a number: "))  
  
*# Remove the last digit*result = remove\_last\_digit(number)  
  
*# Print the result*print("Result:", result)

6. Write a python script which takes a three digit number from the user and displays

only its middle digit.

*# Take user input*number = int(input("Enter a three-digit number: "))  
  
*# Extract the middle digit*middle\_digit = (number // 10) % 10  
  
*# Print the middle digit*print("Middle Digit:", middle\_digit)

7. Write a python script which takes a three digit number from the user and displays

only its last digit.

def remove\_last\_digit(number):  
 return number % 10  
  
*# Take user input*number = int(input("Enter a number: "))  
  
*# Remove the last digit*result = remove\_last\_digit(number)  
  
*# Print the result*print("Result:", result)

8. Write a python script to use IN operator to display the data present in the list

*# Define a list of data*data\_list = [10, 20, 30, 40, 50]  
  
*# Take user input*data = int(input("Enter a number to check if it is present in the list: "))  
  
*# Check if the data is present in the list*if data in data\_list:  
 print("Data is present in the list")  
else:  
 print("Data is not present in the list")

9. Write a python script to use NOT IN operator to display the data not present in list

*# Define a list of data*data\_list = [10, 20, 30, 40, 50]  
  
*# Take user input*data = int(input("Enter a number to check if it is present in the list: "))  
  
*# Check if the data is present in the list*if data not in data\_list:  
 print("Data is not present in the list")

10. Write a python script to use IS operator to display if both variables are the same

object or not?

*# Take user input*var1 = input("Enter the value of variable 1: ")  
var2 = input("Enter the value of variable 2: ")  
  
*# Check if the variables are the same object*if var1 is var2:  
 print("Both variables refer to the same object")  
else:  
 print("Variables refer to different objects")