Coding Age

Practice Set: Function

Question Sets:

Q1. Write a program to call a function that returns the subtraction of two numbers and print the result

Input: a = 45 , b = 15 Output: 30

Q2. Write a program to call a function that prints the multiplication of two numbers.

Input: a= 150 , b = 2 Output: 300

Q3. Write a program to call a function that takes two user inputs and passes it to a function that returns the addition of these numbers .

Input: a = 33 , b = 26 Output: 59

Q4. Write a program to call a function that take two user inputs and returns the multiplication of the two numbers

Input : a = 11 , b = 11 Output: 121

Q5. Write a program to call a function that takes user input and pass it to a function that prints its table.

Input: a =3 Output: 3*1=3 ..... 3*10=30

Q6. Write a program to call a function that prints the following pattern:

Input : n=3.

Output :

```
    *
  * * *
* * * * *
```

Q7. Write a program where the user will provide an integer as input. Create a function **`digitCount()`** that:

- Counts the total number of digits in the given number and prints the count.
- **`digitCount()`** Calls another function **`reverseNumber()`** that takes the original user input, reverses it, and prints the reversed number.

Input : num = 12345

Output: Digit Count : 5 , Reversed Number: 54321

Q8. Write a function **`findGCD(a, b)`** that calculates and returns the greatest common divisor (GCD) of two numbers using the Euclidean algorithm.

Input : num1 = 56 , num2 = 98

Output : GCD : 14

Q9. Write a program to call a function that takes user input and tells if it is prime or not.

Input : a = 7 Output : yes it is prime

Q10. Write a program to take two numbers from the user and print the prime number present between them.

Input : num1 = 2 , num2 = 6.

Output : 3 is prime . 5 is prime .