

# Function Programs in C

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## 2) Without Return, With Argument

### 1. Print a number entered by the user

Write a function that takes a number as an argument and prints it.

#### Sample Input:

```
Enter a number: 5
```

#### Sample Output:

```
Number = 5
```

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### 2. Print the square of a number

Write a function that takes a number as an argument and prints its square.

#### Sample Input:

```
Enter a number: 4
```

#### Sample Output:

```
Square = 16
```

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### 3. Print whether a number is even or odd

Write a function that takes a number and prints whether it is even or odd.

#### Sample Input:

```
Enter a number: 7
```

#### Sample Output:

```
7 is Odd
```

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#### 4. Print multiplication table of a number

Write a function that takes a number and prints its multiplication table up to 10.

##### Sample Input:

```
Enter a number: 3
```

##### Sample Output:

```
3 x 1 = 3
3 x 2 = 6
3 x 3 = 9
...
3 x 10 = 30
```

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#### 5. Print all numbers from 1 to N

Write a function that takes an integer N and prints numbers from 1 to N.

##### Sample Input:

```
Enter N: 5
```

##### Sample Output:

```
1 2 3 4 5
```

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#### 6. Print sum of first N natural numbers

Write a function that takes a number N and prints the sum of the first N natural numbers.

##### Sample Input:

```
Enter N: 5
```

**Sample Output:**

```
Sum = 15
```

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**7. Print factorial of a number**

Write a function that takes a number and prints its factorial.

**Sample Input:**

```
Enter a number: 5
```

**Sample Output:**

```
Factorial= 120
```

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**8. Print Fibonacci series up to N terms**

Write a function that takes N and prints the Fibonacci series up to N terms.

**Sample Input:**

```
Enter N: 7
```

**Sample Output:**

```
0 1 1 2 3 5 8
```

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**9. Print all prime numbers up to N**

Write a function that takes N and prints all prime numbers less than or equal to N.

**Sample Input:**

```
Enter N: 10
```

**Sample Output:**

```
2 3 5 7
```

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## 10. Print reverse of a number

Write a function that takes a number as input and prints its reverse.

### Sample Input:

```
Enter a number: 1234
```

### Sample Output:

```
Reverse = 4321
```

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