

Topics Of the Day2

- INTRODUCTION TO LOOPS
- BREAK AND CONTINUE STATEMENTS IN PYTHON
- WHAT IS A FUNCTION IN PYTHON?
- LIST IN PYTHON
- TUPLES IN PYTHON
- STRING FORMATTING IN PYTHON
- WHAT IS A SET IN PYTHON?
- WHAT IS A DICTIONARY IN PYTHON?
- HOW TO RAISE A CUSTOM ERROR
- SHORT-HAND IF-ELSE IN PYTHON

(String Question)

Q1. Take input from user his/her name, age, course, and print the Result like given Below

Output:

My name is: ANKIT KUMAR

My age is: 56

I doing : B.Tech

(If-else Question)

Q2. Take input from user and Check if a number is positive, negative, or zero

Input: 5

Output: Positive

Input: -6

Output: Negative

Input: 5

Output: Zero

(Match Case statements)

Q3. Match-case for simple calculator that takes 2 values and operator (+, -, /, *) from user as input after it perform the calculation according to the operator selected

Input:

```
Enter the num1: 8  
Enter the num2: 5  
Enter the operator: +
```

Output: The sum is: 13

Input:

```
Enter the num1: 8  
Enter the num2: 5  
Enter the operator: -
```

Output: The sum is: 3

Q4. Print sum of first n natural numbers

Input: 6

Output: 21

Q5. Check if a number is prime

Input: 7

Output: Prime Number

Q6. Function to calculate area of circle

→ `areaCircle(7)` answer: 154

Q7. Format a string using fstring in python

Input:

Enter your Name: Aman

Enter your Age: 56

Output: My name is aman and age is 56

Practice Question

Q1. Print pattern according to user Input

Input: 3

Output:

*

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Q2. Write a function for factorial of given number

Example: `factoriaFunction(5)-> 120`