

PRACTICE EXERCISES ON PYTHON BASICS

1. Write a Python program which accepts the radius of a circle from the user and compute the area.

Sample input: Enter the radius: 3

Sample output: Area of Circle is 28.599999999999

2. Write a Python Program to accept the details of a student like name, roll number and mark and display it.

Sample input: Enter the name: Anisha

Enter the roll number: 21

Enter the mark: 78

Sample output: Name: Anisha

Roll No: 21

Mark: 78

3. Write a Python program to get the largest number from a list.

Sample input: 12, 3, 47, 10

Sample output: 47 is the largest number.

4. Given a range of first 10 numbers, write a Python program to iterate from start number to the end number and print the sum of the current number and previous number.

Sample input: 1....10

Sample output: Current Number 1 Previous Number 0 Sum: 1 Current Number 2 Previous Number 1 Sum: 3 Current Number 3 Previous Number 2 Sum: 5... Current Number 10 Previous Number 9 Sum: 19

5. Write a Python program to print only those numbers which are divisible of 5.

Sample input: 10, 20, 33, 46, 55 Sample output: 10, 20, 55

6. Write a Python program to check whether a number is prime or not.

Sample input: Enter the number: 3

Sample output: 3 is a prime number.

7. Write a Python program to reverse a list using for loop.

Sample input: 10,40,30,70

Sample output: 70,30,40,10

8. Write a Python program to print the following pattern.

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

9. Write a Python program to find the maximum of three numbers

Sample input: 34,12,7

Sample output: 34

10. Write a Python program to construct the following pattern, using a nested for loop.

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

