

Shantilal Shah Engineering College, Bhavnagar

Information Technology Department

Python Programming

Date: 09/01/2018

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Practical -1: Use of Python control structures – if...elif....else, while loop, for loop

- 1) Write a program to check if the input year is leap year or not.
- 2) Write a program to print Fibonacci sequence till input number using while loop.
- 3) Write a program to check whether given number is Armstrong number or not.
- 4) Write a program to print series of prime number in a range from 1 to input number.
- 5) Write a Python program which accepts the radius of a circle from the user and compute the area
- 6) Write a program which will find all such numbers which are divisible by 7 but are not a multiple of 5, between 5000 and 5999 (both included). The numbers obtained should be printed in a comma-separated sequence on a single line.
- 7) Write a program which can compute the factorial of a given numbers. The results should be printed in a comma-separated sequence on a single line.
Suppose the following input is supplied to the program: 8 Then, the output should be: 40320
- 8) Write a Python program which accepts the user's first and last name and print them in reverse order with a space between them.
- 9) Write a Python program to create all possible unique strings by using 'a', 'e', 'i', 'o', 'u'. Use the characters exactly once.
- 10) Write a Python program to print the following string in a specific format.

String: Twinkle, twinkle, little star, How I wonder what you are! Up above the world so high, Like a diamond in the sky. Twinkle, twinkle, little star, How I wonder what you are

Output :

```
Twinkle, twinkle, little star,  
    How I wonder what you are!  
        Up above the world so high,  
        Like a diamond in the sky.  
Twinkle, twinkle, little star,  
    How I wonder what you are
```