

Python Lab Exam Questions

1. Write a Python program to find those numbers which are divisible by 7 and multiple of 5, between 1500 and 2700 (both included).
2. Write a Python program that accepts a word from the user and reverse it.
3. Write a Python program to find numbers between 100 and 400 (both included) where each digit of a number is an even number. The numbers obtained should be printed in a comma-separated sequence
4. Write a Python program to check a triangle is equilateral, isosceles or scalene.
5. Write a Python function that takes a list and returns a new list with unique elements of the first list
6. Write a Python function that accepts a string and calculate the number of upper case letters and lower case letters.
7. Compute $nCr = \frac{n!}{(n-r)! * r!}$ using function for factorial
8. Write a Python program to find the roots of a quadratic function.
Expected Output :Quadratic function : (a * x^2) + b*x + c
a: 25
b: 64
c: 36
There are 2 roots: -0.834579 and -1.725421
9. Write a Python program to convert a decimal number to binary number.
Expected Output :
10. Input a binary number: 101011
 The decimal value of the number is 43

10. Write a Python function that takes a number as a parameter and check the number is prime or not.
11. Write a Python function that checks whether a passed string is palindrome or not.