

Weekly Assignment 8

1. Write a Python program to find out X to the power Y (X^Y) without using pow function.
2. Write a Python program to print numbers from 1 to 10 using while loop.
3. Write a Python program to print the numbers, which is divisible by either 5 or 7 within 1 to 50 using a while loop.
4. Write a Python program to check whether any user given input number is Armstrong number or not. [Example- Armstrong number (153) = $1^3 + 5^3 + 3^3$, Armstrong number is a number which is equal to the sum of cubes of its digits]
5. Write a Python program to check whether any user given input number is Peterson/Krishnamurthy number or not. [Example- Peterson/Krishnamurthy number (145) = $1! + 4! + 5!$, A number is said to be a Peterson/Krishnamurthy number if the sum of factorials of each digit of the number is equal to the number itself]