**ACADEMY OF TECHNOLOGY**

**DEPARTMENT OF CSE**

**Name of the Course : IT Workshop (Python)**

**Course Code : PCC-CS393**

**Assignment-2 (Conditional and Loops )**

I. A store charges Rs120 per item if you buy less than 10 items. If you buy between 10 and 99 items, the cost is Rs100 per item. If you buy 100 or more items, the cost is Rs70 per item. Write a program that asks the user how many items they are buying and prints the total cost.

II. A year is a leap year if it is divisible by 4, except that years divisible by 100 are not leap years unless they are also divisible by 400. Write a program that asks the user for a year and prints out whether it is a leap year or not.

III. Write a short program to check whether square root of a number is prime or not.

IV. Write a program to input N numbers and then print the second largest number.

V. Write a program that take the input until 'q' and print the palindrome numbers.