**Course Code**: [CS-1001L] **Course Title:** [PF]

**Class/Section: 1A/1B Time allowed: 2 days**

**Course Instructor: MALEEHA SHAH**  **Max Marks: 05**

**Question 01:**

Any character is entered through the keyboard, write a program to determine whether the character entered is a capital letter, a small case letter, a digit or a special symbol.

The following table shows the range of ASCII values for various characters.

Characters

**ASCII Values**

A – Z

a – z

0 – 9

**Special symbols**

65 – 90

97 – 122

48 – 57

0 - 47, 58 - 64, 91 - 96, 123 - 127

**Question 02:**

If a four-digit number is input through the keyboard, write a program to obtain the sum of the first and last digit of this number.

**Question 03:**

If the three sides of a triangle are entered through the keyboard, write a program to check whether the triangle is valid or not. The triangle is valid if the sum of two sides is greater than the largest of the three sides.

**Question 04:**

If a five-digit number is input through the keyboard, write a program to print a new number by adding one to each of its digits. For example if the number that is input is 12391 then the output should be displayed as 23402.