**Jaypee University of Engineering and Technology, Guna**

**Department of Computer Science and Engineering**

**Object Oriented Programming Lab (14B17CI371)**

**Lab Exercise-1**

**[Imp Note:**All the programs must be written in C/C++ with distinguished variable names. If any kind of plagiarism is observed, the punctuality marks (10) will be awarded by zero.]

1. Write a program to round off an integer “i” to the next largest multiple of another integer “j”. For example, 256 days when rounded off to the next largest multiple divisible by a week results into 259.
2. A number is entered through the keyboard. The number may contain 1,2,3,4, or 5 digits. Write a program to find the number of digits in the number.
3. Write a program which finds a four digit number AABB which is a perfect square. A and B represent different digits.
4. Write a program of Factorial through recursion.
5. Write a program which takes a string as input from user and returns the length of that string
6. Write a pointer version of the function strcat (s,t) copies the string t to the end of s.
7. Write the function strend(s,t), which returns 1 if the string t occurs at the end of the string s, and zero otherwise.