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.