Jaypee University of Engineering and Technology, Guna
Department of Computer Science and Engineering

Object Oriented Programming Lab (14B11CI371)

Lab Exercise - 11

[Imp Note: All the programs must be written in 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 read a list containing item name, item code, and cost interactively and produce a three column output as shown below.

Name	Code	Cost
Turbo C++	1001	250.95
C primer	905	95.70
………………	…………	……………
………………	…………	……………

   Note that the name and code are left-justified and the cost is right justified with a fixed precision of two digits. Trailing zeros are shown.

2. Modify the above program to fill the unused spaces with hyphens.

3. Create user defined manipulator named 'currency' with following specifications

   i. set width of 10
   ii. specify precision 4 which displays 4 digit after decimal
   iii. Show trailing decimal point and zeros.

4. Write a program that reads a text file and creates another file that is identical except that every sequence of consecutive blank spaces is replaced by a single space.

5. A file contains a list of telephone numbers in the following form:

   John   23456

   Ahmed   9876

   ...   ...

   The name contains only one word and the names and telephone numbers are separated by white spaces. Write a program to read the file and output the list in two columns. The names should be left-justified and the numbers right-justified.

6. Write a program that will create a data file containing the list of telephone numbers given in Program-2 using a class object to store each set of data.

7. Write an interactive menu driven program that will access the file created in Program-3 and implement the following tasks-

   (A) Determine the telephone number of the specified person.

   (B) Determine the name if a telephone number is known.

   (C) Update the telephone number, whenever there is a change.

8. Write a program that will delete a specific Line from a Text File.