Worksheet for Chapter 3

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Read the chapter and answer the following questions. – 10 points each

1. What is the result of the following statement? Assume that the user puts in 11, 34

cin >> a >> b >> z;

Answer: Value stored in the memory: a= 11 , b= 34 ,z= computer waits for the next number

1. What is the purpose of the “setprecision(n)” manipulator?

Answer: The purpose of the “setprecision (n)” manipulator is to control the output of floating – point numbers.

1. What is the purpose of the “fixed” manipulator?

Answer: The purpose of the “fixed” manipulator is to output floating point numbers in a fixed decimal format.

1. What is the purpose of the “setw” manipulator?

Answer: the purpose of the “setw” manipulator is to output the value of an expression in a specific number of columns.

1. What is the purpose of the “setfill” manipulator?

Answer: the purpose of the setfill is to fill the unused columns with a character other than space.

1. What is New Line?

Answer: in C++, a new line character can be specified as \n (backslash character followed by a low case n)

1. What page is the programming example “Movie Ticket Sales and Donation to Charity on”?

Answer: from 164 to 167

1. Which header file needs to be included in a program that uses the data types **ifstream** and **ofstream**?

Anwer: the header file iostream.

1. What may cause an input stream to enter the fail state?

Answer: an input stream to enter the fail state happens when the input data did not match the corresponding variables, so the program would run into problem.

Example: trying to read a letter into an int or double variable would result in an input failure.

1. To use function **peek** and **putback** in a program, which header file(s) must be included in the program?

Answer: # include <iostream>