ComSci 31 – Winter 2019

# Homework 2

Name – Suyash Kumar

UID – 605108040

Discussion – 1C

Solution to Problem 1

endlendl

endline

Solution to Problem 2

The program prints out a diagonal line.

Solution to Problem 3

#include <iostream>

using namespace std;

int main()

{

int len;

cout << "Enter a number: ";

cin >> len;

int j;

for (int i = 0; i < len; i++)

{

j=i+1;

while(j<len)

{

cout << " ";

j++;

}

cout << "#" << endl;

}

}

Solution to Problem 4

#include <iostream>

using namespace std;

int main()

{

int len;

cout << "Enter a number: ";

cin >> len;

if(len<=0)

{

return(0);

}

int i = 0;

do

{

for (int j = i+1; j < len; j++)

{

cout << " ";

}

cout << "#" << endl;

i++;

}while(i<len);

}

Solution to Problem 5

switch (weekday)

{

case 1: cout<<"rainy days and mondays get me down";

break;

case 2: cout<<"ruby tuesday";

break;

case 6: //utilization of data fallthrough\*

case 7: cout<<"wonderful weekend";

break;

default: cout<<"regular day";

break;

}

//\* In case 6, we take advantage of data fallthrough. If case 6 passes, control transfers to case 7 due to no break statement and “wonderful weekend” is printed out. The console then exits the switch construct due to encountering a break statement.