**PROJECT 2: HOMEWORK**

**Answers:**

1. The output produced by the given code is:

endlendl

endline

1. The program prints out “I” number of “#” after “j” backspaces. There is a single “#” per line and a total of “I” lines.
2. A program that produces the same output with a inner while loop implemented:

#include <iostream>

using namespace std;

int main()

{

int len;

cout << "Enter a number: ";

cin >> len;

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

{

int j = i+1;

while (j < len)

{

cout << " ";

j++;

}

cout << "#" << endl;

}

}

1. Do-while loop:

#include <iostream>

using namespace std;

int main()

{

int len;

cout << "Enter a number: ";

cin >> len;

int i = 0;

do {

int j = i+1;

while (j < len)

{

cout << " ";

j++;

}

cout << "#" << endl;

i++;

} while (i < len);

}

1. Switch statement:

switch (weekday)

{

case 1:

cout << "rainy days and mondays get me down";

break;

case 2:

cout << "ruby tuesday";

break;

case 6:

case 7:

cout << "wonderful weekend";

break;

default:

cout << "regular day";

break;

}