**University of Michigan – Dearborn**

**CIS 150 – Computer Science 1**

**Lab# 1**

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# Question 1 – Simple output of display message

## Source Code

/\*

\*Author: Demetrius Johnson

\*Creation Date: 15 Jan. 2020

\*Modification Date: 15 Jan. 2020

\*Purpose: Display output message

\*/

#include <iostream>

using namespace std;

int main()

{

cout << "Hello World!" << endl;

cout << "CIS 150 - Winter 2019" << endl;

system("pause");

return 0;

}

## Screenshots

A screenshot of a computer

Description automatically generated

# Question 2 – Simple input-output program

## Source Code

/\* Author: Demetrius Johnson

Creation Date: 15 Jan. 2020

Last Modification Date: 15 Jan. 2020

Purpose: Debug and execute a simple input-output program

\*/

#include <iostream>

#include <string>

using namespace std;

int main()

{

string first;

cout << endl << "Please enter your first name : ";

cin >> first;

cout << "Hi " << first << ": I hope you will enjoy CIS 150 this semester." << endl;

system("pause");

return 0;

}

## A screenshot of a computer Description automatically generatedScreenshots

# Question 3 – Star Tree output

## Source Code

/\* Author: Demetrius Johnson

Creation Date: 15 Jan. 2020

Last Modification Date: 21 Jan. 2020

Purpose: Create this output:

\*

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\*/

#include <iostream>

#include <string>

using namespace std;

int main()

{

/\* Type your code here.

\*I will be using string function that I learned from

\*the Zybooks homework to solve this program solution for the tree output(:

\*

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\*/

string oneStars = " \*";

string threeStars = " \*\*\*";

string fiveStars = " \*\*\*\*\*";

string sevenStars = "\*\*\*\*\*\*\*";

cout << oneStars << endl << threeStars << endl << fiveStars << endl << sevenStars << endl;

system("pause");

return 0;

}

## Screenshots

![A screenshot of a cell phone

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