Department of Electrical and Computer Engineering

Computer Programming Lab

Lab Report: 01

Introduction to Programming

Name: Omama Akbar

Roll Number: 200140

Class: BEET-2A (Telecom)

Submitted To: Engr. M. Farooq Khan

Date: March 12th, 2021

Lab Tasks

Q1) **Write a program that displays the following output on screen.**

She asked, \"Are you alright?"

He replied.   "Yes! I'm fine"

```cpp
#include <iostream>

using namespace std;

int main()

 {

cout<<"She asked, \\\"Are you alright?\"\\"<<endl;
cout<<"He replied.\t\t\"Yes! I'm fine\"";

     return 0;

}
```



```
She asked, \"Are you alright?"\
He replied.             "Yes! I'm fine"
-------------------------------
Process exited after 0.249 seconds with return value 0
Press any key to continue . . .
```

Q2) **Write a program that declares two variables, perform any arithmetic operation on them and obtain a float output whatever the inputs are**

```cpp
#include <iostream>

using namespace std;

int main()

 {

float x,y,z;
x=13;
y=12.2001;
z=x+y;
cout<<"The sum of "<<x<<" and " <<y<<" is "<<z;

        return 0;

}
```

```
The sum of 13 and 12.2001 is 25.2001
--------------------------------
Process exited after 0.1845 seconds with return value 0
Press any key to continue . . .
```

Q3)   Write a program in C++ that takes 2 inputs from user, divide them, and displays the division result at the output?

Output Console should look like this:

Enter 1st number: 6

Enter 2nd number: 3

6/3 = 2

```cpp
#include <iostream>

using namespace std;

int main()

 {

float x,y,z;
x=13;
y=12.2001;
z=x+y;
cout<<"The sum of "<<x<<" and " <<y<<" is "<<z;

    return 0;

}
```

```
Enter 1st number: 5
Enter 2nd number: 7.78676
5/7.78676 = 0.642116
-------------------------------
Process exited after 20.92 seconds with return value 0
Press any key to continue . . .
```

Q4)   Write a program that declares 2 variables and display the result of their addition, subtraction, multiplication, and division at the output console

```cpp
#include <iostream>

using namespace std;

int main()

 {

float a,b,c,d,e,f;
a=13;
b=12.2001;
c=a+b;
d=a-b;
e=a*b;
f=a/b;
cout<<"The sum of "<<a<<" and "<<b<<" is "<<c<<endl;
cout<<"The difference of "<<a<<" and "<<b<<" is "<<d<<endl;
cout<<"The product of "<<a<<" and "<<b<<" is "<<e<<endl;
cout<<"The division of "<<a<<" and "<<b<<" results into "<<f;

    return 0;

}
```
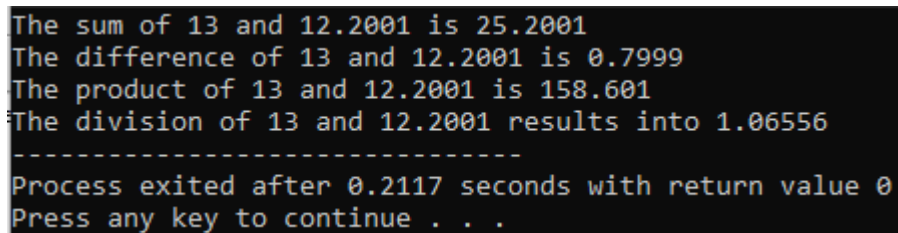
```
The sum of 13 and 12.2001 is 25.2001
The difference of 13 and 12.2001 is 0.7999
The product of 13 and 12.2001 is 158.601
The division of 13 and 12.2001 results into 1.06556
--------------------------------
Process exited after 0.2117 seconds with return value 0
Press any key to continue . . .
```

THANKYOU!