

# **Assignment**

## **Structured Programming Language**

## Submitted by

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Batch: 12

Section: B

Date : 14/11/2022

## Submitted to

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Designation: Assignment - 1

1. Write a C program to find summation, subtraction, multiplication, quotient and remainder of two integer given by the user.

My Code is given below:

```
#include <stdio.h>

#include <stdio.h>

int main()

{

#ifndef ONLINE_JUDGE

freopen("input1.txt", "r", stdin);
freopen("output1.txt", "w", stdout);

#endif

int num1, num2, sum, sub, mul, quo, rem;

printf("Enter two integers\n");
scanf("%d%d", &num1, &num2);
sum = num1 + num2;
sub = num1 - num2;
num1 = num1 * num2;
quo = num1 / num2;
rem = num1 / num2;

printf("Summation is %d\n",sub);
printf("Subtraction is %d\n",sub);
printf("Multiplication is = %d\n",mul);
printf("Quotient is %d\n",quo);
printf("Remainder is %d\n",rem);

return 0;
```

Input: Num1 - 50, Num2-20

```
output1.txt × output2.txt × output3.txt × .txt × +

1 Enter two integers
2 Summation is 70
3 Subtraction is 30
4 Multiplication is = 1000
5 Quotient is 2
6 Remainder is 10
```

2. Write a C program to multiply two floating point number.

My Code is given below:

```
#Include <stdio.h>

#include <stdio.h

#include <stdi
```

Input: 10.57 4.56

```
    output1.txt × output2.txt × output3.txt × tput4.txt × + ▼

    Multiply two floating point number is
    10.57 x 4.56 = 48.20
```

3. Write a C program to find size of integer, float, double and char.

#### My Code is given below:

```
#Include <stdio.h>
#include <stdio.h>

#infinder ONLINE_JUDGE

#ifinder ONLINE_JUDGE

#reopen("input3.txt", "r", stdin);
#reopen("output3.txt", "w", stdout);

#endif

printf("Size of Integer is %d bytes\n", sizeof(int));
printf("Size of Float is %d bytes\n", sizeof(float));
printf("Size of Double is %d bytes\n", sizeof(double));
printf("Size of Charecter is %d bytes\n", sizeof(char));

return 0;

return 0;
```

```
output1.txt × output2.txt × output3.txt × tput4.txt × 

Size of Integer is 4 bytes
Size of Float is 4 bytes
Size of Double is 8 bytes
Size of Charecter is 1 bytes
```

4. Write a C program to show your Name, University ID and Email as output.

#### My Code is given below:

```
#include <stdio.h>

int main()

#ifndef ONLINE_JUDGE

#reopen("input4.txt", "r", stdin);

#endif

printf("Name: Abubakar Siddiq Sazzad\nUniversity ID: 222010058\nEmail: siddiqsazzad001@gmail.com");

printf("Name: Abubakar Siddiq Sazzad\nUniversity ID: 222010058\nEmail: siddiqsazzad001@gmail.com");
```

```
    output1. output2.txt × output3.txt × output4.txt ×

    Name: Abubakar Siddiq Sazzad
    University ID: 222010058
    Email: siddiqsazzad001@gmail.com
```

5. Write a C program to divide a floating-point number.

#### My Code is given below:

#### Input: 45.56 24.80

```
output1.tx output2.txt × output3.txt × output4.txt × output5.txt ×

Dividing two floating point number is 45.56 / 24.80 = 1.84
```