

# Structured Programming

## CIS 122 & 122 L

### Assignment Title: Basic Operators and Expressions

1. Write a C program to print your name, date of birth. and mobile number.

Example:

```
My Name : Abdur Rahim  
My DOB : July 14, 2001  
My Mobile : +8801831453625
```

2. Write a C program to take input of the height and width of a rectangle and compute the perimeter and area of a rectangle.

Example:

```
Please enter the height of the rectangle : 10.7  
Please enter the width of the rectangle : 29.5
```

```
Perimeter of the rectangle is : 80.4  
Area of the rectangle is :315.65
```

3. Write a C program that accepts three numbers from the user and calculate the following things: (Remember to select data type based on the sample input)

- ✚ Summation of three numbers
- ✚ Subtraction of second and third number
- ✚ Multifaction of the third and first number
- ✚ Division of the second and first number
- ✚ Modulus of the first number and 2

Example:

```
Please enter the first number : 13  
Please enter the second number : 110  
Please enter the third number : 75.6
```

```
The sum of 13, 110 & 75.6 is = 198.6  
The subtraction of the 110 and 75.6 is = 34.4  
The multifaction of the 75.6 and 13 is = 982.8  
The division of the 110 and 13 is = 8.461
```

The remainder of the 13 and 2 is = 1

4. Write a C program that accepts an employee's ID, total worked hours of a month and the amount he received per hour. Print the employee's ID and salary (with two decimal places) of a particular month.

Example:

Input the Employees ID: 342

Input the working hrs: 8

Salary amount/hr: 15000

Employees ID = 342

Salary = 120000.00 Taka

5. Write a C program for the following problems
- To print the out of  
`int a = 10/45*23%45/(45%4*21)`
  - Print true if following statements are right otherwise print false  
`4>5 && 5>4`  
`4>5 || 5>4`

### Instructions:

- ✚ Make a word or pdf document and named it with your DIU student id
- ✚ Take screenshot of the C program code and output for each task.
- ✚ Attach the screenshots to your document and submit