

# NOI 2020 C++ Basics Course Assignments

## Assignment 5

Upto note 9

### Task 1

#### Building a calculator

Display the operations possible with the numbers that represent those operations.

- 1- Addition,
- 2- subtraction,
- 3- multiplication,
- 4 - division,
- 5 - modulus,
- 6 - increment,
- 7 decrement,

Get the operation number from the user.

Read the values to perform the operation on.( read only one input for operation 6 and 7, two inputs for the rest)

Perform those operations and display the result.

Tip : use a switch to determine what operation to perform.

## Task 2

### Building a grading system

A teacher teaches a class of 5 students. The results for the math subject are out and the teacher wants you to write a program that will let her enter the name of the student, his/her mark for math for all students and then the program will display their grades according to the following rules.

75 or more - A

Between 65 and 75 (65 inclusive) - B

Between 55 and 65 (55 inclusive) - C

Between 35 and 55 (35 inclusive) - S

Less than 35 - F

Input format:

StudentName mark

StudentName mark

StudentName mark

StudentName mark

StudentName mark

Output format :

StudentName mark grade

StudentName mark grade

StudentName mark grade

StudentName mark grade

StudentName mark grade

Tip : Use if statement

## Task 3

Change the above code to include the ternary operator to decide the grade.