

| **TITLE: a.** Write a program to accept 3 numbers from the user and find the largest of the  3 numbers using                    If - else if-else                    Ternary operator  b. Write a C program to find the grade of a student using switch case statements. |
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**AIM:** a. Write a program to accept 3 numbers from the user and find the largest of the 3 numbers using

                  If - else if-else

                  Ternary operator

b. Write a C program to find the grade of a student using switch case statements.

The below table shows the grading system.

| Score in subject | Grade |
| --- | --- |
| >=90 | A |
| 80-89 | B |
| 70-79 | C |
| 60-69 | D |
| 50-59 | E |
| <50 | F |

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**Expected OUTCOME of Experiment:**

Apply basic concepts of C programming for problem solving.(CO1 and CO2).

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**Books/ Journals/ Websites referred:**

1. Programming in C, second edition, Pradeep Dey and Manas Ghosh, Oxford University Press.
2. Programming in ANSI C, fifth edition, E Balagurusamy, Tata McGraw Hill.
3. Introduction to programming and problem solving , G. Michael Schneider ,Wiley India edition.
4. [**http://cse.iitkgp.ac.in/~rkumar/pds-vlab/**](http://cse.iitkgp.ac.in/~rkumar/pds-vlab/)

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**Problem Definition:**

1. Ask user to input three numbers. Compare three numbers to find the largest of them using
2. Nested if else statement
3. Using ternary operator
4. Write a C program to find the grade of a student using switch case statements.

The below table shows the grading system.

| Score in subject | Grade |
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| >=90 | A |
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**Algorithm:**

**Implementation Details:**

**Using Nested if else if**

**Using Ternary Operator**

**Output(s):**

**Conclusion:**

**Post Lab Descriptive Questions**

1. **Virtual lab for switch statement**

[**https://cse02-iiith.vlabs.ac.in/exp/basic-control-flow/simulation.html**](https://cse02-iiith.vlabs.ac.in/exp/basic-control-flow/simulation.html)

1. Virtual lab for if statement

[**https://cse02-iiith.vlabs.ac.in/exp/basic-control-flow/simulation.html**](https://cse02-iiith.vlabs.ac.in/exp/basic-control-flow/simulation.html)

**Date: \_\_\_\_\_\_\_\_\_\_\_\_\_ Signature of faculty in-charge**