

## Practical work \_N° 04

### Exercise N° 01:

**Question 01:** Write a C program to check whether a student passes using his grade.

#### Note:

- Condition to pass: Grade should be greater than or equal to 33.
- Valid grade range: 0 to 100.

**Question 02:** Write a C program to check whether a number is greater than 20 or smaller to 10.

### Exercise N° 02:

**Question 01:** Write a C Program to check whether the given number is an odd number or an even number.

**Question 02:** Write a C program to find maximum between two numbers.

### Exercise N° 03:

**Question 01:** Write a C program to check if the number is both greater than 20 and is odd.

**Question 02:** Write a C program to find maximum between three numbers.

### Exercise N° 04:

**Question 01:** Write a C program to check whether a number is negative, positive or zero.

### Exercise N° 05:

**Question 01:** Write a C program to find all roots of a quadratic equation.

### Exercise N° 06:

**Question 01:** Write a C program to input cost price and selling price of a product and check profit or loss.

**Exercise N° 07:**

**Question 01:** Write a C program to input marks of five subjects Physics, Chemistry, Biology, Mathematics and Computer, calculate percentage and grade according to given conditions:

If percentage  $\geq 90\%$  : Grade A

If percentage  $\geq 80\%$  : Grade B

If percentage  $\geq 70\%$  : Grade C

If percentage  $\geq 60\%$  : Grade D

If percentage  $\geq 40\%$  : Grade E

If percentage  $< 40\%$  : Grade F

**Exercise N° 08:**

**Question 01:** Write a C program to input week number (1-7) and print day of week name using switch case.

**Exercise N° 09:**

**Question 01:** Write a C program to input two numbers from user and find maximum between two numbers using switch case.

**Exercise N° 10:**

**Question 01:** Write a C program to input a number and check positive negative or zero using switch case.

**Exercise N° 11:**

**Question 01:** Write a C program to create menu driven calculator that performs basic arithmetic operations (add, subtract, multiply and divide) using switch case.