Sukkur-IBA University Kandhkot

Department of Computer Science
Fundamentals of Programming

LAB No. 02

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Objective of Lab No. 2:
After performing lab2, students will be able to:

- ➢ Use Conditional statements.
- ➢ Use different data types.
- ➢ Understand Boolean statements.
- ➢ Solve basic mathematical operations.

1. Write a program to test whether two integer values are equal or not. Program should return true if the operands are equal, and false if they are not.

2. Write a program using Bool type variable which determines if the read integer is even or not.

3. Age is taken as input from the user if age is between 13 to 19 years then program should output the "you are a teenager" otherwise "not a teenager".

4. Write a program in C++ to display various type or arithmetic operation using mixed data type.

Display arithmetic operations with mixed data type :

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5 + 7 = 12
3.7 + 8.0 = 11.7 5
+ 8.0 = 13.0
5 - 7 = -2
3.7 - 8.0 = -4.3
5 - 8.0 = -3.0
5 * 7 = 35
3.7 * 8.0 = 29.6
5 * 8.0 = 40.0
5 / 7 = 0
3.7 / 8.0 = 0.5

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5. Write a program to calculate the area of a circle and declare pi as a global variable.

6. Write a program in C++ to find the Area and Perimeter of a Rectangle

7. Write a program in C++ to convert temperature in Celsius to Fahrenheit.

8. Write a program which determines if a given person's information makes him/her eligible voter in Pakistan use logical operators.

9. Write a program in C++ to print the result of the specified operations. (Use if else statement).

10. Write a program in C++ to swap two numbers. (Using third variable and also without using third variable).

Best of luck!