
International Islamic University Chittagong

Department of Computer Science & Engineering
CSE 1122 Computer Programming I Sessional

Lab Assignment – I

1. Write a program to find the addition, subtraction, multiplication and division of two integers A and B.
2. Write a program to read a length in centimeter scale and convert it in the inch scale.
3. Write a program to convert a temperature reading in degree Fahrenheit to degree Celsius scale using the formula: $C = (5/9) * (F - 32)$
4. Write a program to read the radius of a circle and calculate its area and circumference.
5. X, Y, Z are the marks of a student. Write a program to find the total and average marks of the student.
6. Write a program to find the length of the hypotenuse of a right triangle given the length of other two sides.
7. Write a program to compute the area of the triangle given the values of A, B and C. Area of a triangle is given by the formula $Area = \sqrt{S(S-A)(S-B)(S-C)}$ where A, B and C are the sides of triangle and $2S = A + B + C$.
8. Evaluate the polynomial:
$$Y = \left(\frac{x-1}{x}\right) + \left(\frac{x-1}{x}\right)^2 / 2 + \left(\frac{x-1}{x}\right)^3 / 3 + \left(\frac{x-1}{x}\right)^4 / 4$$
where the value of x is given from the keyboard.
9. Write a program to calculate the roots of the quadratic equation $ax^2 + bx + c = 0$ where a, b and c are known.
10. Write a program to show the ranges and bit width of different data types.

Last date of submission:

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