Dear student, AOA

Attached here is the presentation related to today's lecture and some questions to get warm up. You are supposed to solve them before next class. You may seek minimal help from any resource but high discouraged to get the whole ready-made solution and try to understand it in future.

1. Write a program that prints the block letter "B" in a 7 \times 6 grid of stars like this:

***** * * * *

* * ****

2.

Write and run a program that prints the first letter of your last name as a block letter in a 7 \times 7 grid of stars.

3.

Write and run a program that prints the sum, difference, product, quotient, and the remainder of two integer variables. Initialize the integers with the values 60 and 7.

4.

Write and run a program that prints the sum, difference, product, quotient, and the remainder of two integer variables. The user supply values (input) to variables interactively.

5.

Write a program that converts inches to centimeters. For example, if the user enters 16.9 for a length in inches, the output would be 42.

926 cm. (One inch equals 2. 54 centimeters.)

6.

If you are restricted to use only variable name in output statement to output its value, e. g., cout << v;. This mean you cannot place an

complex expression or constant, i.e., cout << "ant text", cout << 3, cout << a+2, etc are not allowed. With the restriction, you are asked

to write an interactive program to output values of diameter, circumference, and area of a circle or radius entered by the user.

7.

If you have used only two variables to solve the 6th question, use four variables one for each radius, diameter, circumference, and area and

solve the problem in 6th question. And if you have already used four variables, now use only two to solve the same problem.

8.

Write an interactive program to accept your percent marks of each course in semester 1 at PUCIT and compute and output your average marks.

9.

Write a program for the following interaction. Please note that odd numbered lines are results of cout & cin pairs and even numbered lines are results of just cout statements.

Enter two integers: 22 44

m = 22, n = 44

Enter three decimal numbers: 2.2 4.4 6.6

x = 2.2, y = 4.4, z = 6.6

Enter four characters: A B C D

c1 = A, c2 = B, c3 = C, c4 = D

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