

CS0.101: Computer Programming (Section A)

Quiz 1 (Fall 2023)

Duration: 45 mins

Question 1: (5 marks)

Write a program to find the factorial of a number. Here n can be taken to be an input from the user.

Question 2: (5 marks)

What is type-casting? Explain the types of type casting in C.

Question 3: (5 marks)

Write -35 in 2's complement form (assume 8-bit representation).

Question 5: (4 marks)

State True/False with justification: Given two positive integers x and y , it is not possible to calculate the minimum and maximum of the two numbers without using any conditions or loops.

Question 6: (10 marks)

Write a program to print the following pattern of the Pascal's triangle.

```
      1
     1 1
    1 2 1
   1 3 3 1
```