

**Aim:**

Design a C program which determines the numbers whose factorial values are between(including) minimum and maximum values.

**For example:** The value of 6! is 720, 7! is 5040 and 8! is 40320. The factorial of 7 (5040) exists between the given limits.

**Constraints:**  $1 \leq \text{min}, \text{max} \leq 103$

**Instruction:** Your input and output layout must match exactly with the layout of the visible sample test cases.

**Source Code:**

factorial.c

```
#include<stdio.h>
void main()
{
    int fact=1,i,max,min,x=1;
    printf("Min: ");
    scanf("%d",&min);
    printf("Max: ");
    scanf("%d",&max);
    printf("Values: ");
    for(i=1;i<=max;i++)
    {
        fact=fact*i;
        if(fact>=min&&fact<=max)
        {
            if(x==1)
            {
                printf("%d ",i);
                x=0;
            }
            else
                printf("%d ",i);
        }
    }
    printf("\n");
}
```

**Execution Results** - All test cases have succeeded!

Test Case - 1
User Output
Min: 5
Max: 10
Values: 3

Test Case - 2
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User Output
Min: 5
Max: 29
Values: 3 4