

22. Write a program to calculate and display the factorials of all the numbers between 'm' and 'n' (where $m < n$, $m > 0$, $n > 0$).
[Hint: factorial of 5 means: $5! = 5 \times 4 \times 3 \times 2 \times 1$]

```
// factorial any number
import java.util.Scanner;
public class fact {
    Run | Debug
    public static void main(String[] args){
        int a;
        int fact = 1;
        Scanner s = new Scanner(System.in);
        System.out.println(x:"enter the number:");
        a = s.nextInt();

        for(int i = 1; i<=a; i++){
            fact = fact *i;
        }

        System.out.println("factor value:"+ fact);
    }
}
```

Output:

```
enter the number:
6
factor value:720
```