

FACTORIAL WITHOUT **RECURSION**

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Semester VI

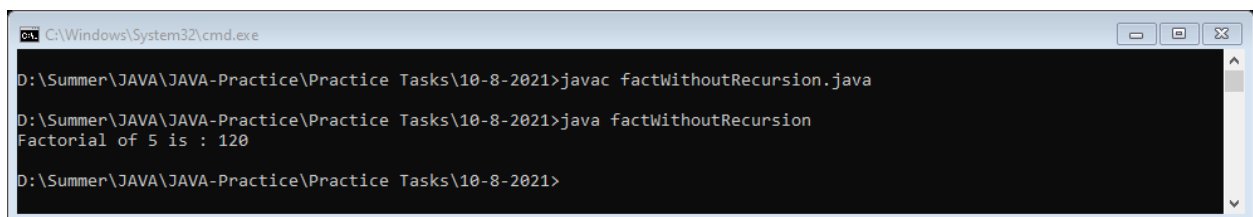
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Factorial without Recursion Syntax in JAVA (OOP)

```
public class factWithoutRecursion {  
  
    public static void main(String args[])  
    {  
        factRecursion obj = new factRecursion();  
  
        System.out.println("Factorial of 5 is : "+obj.fact(5));  
    }  
  
    int fact(int num)  
    {  
        int result = 1;  
  
        if(num == 0 || num == 1) return 1;  
        while(num !=1)  
        {  
            result*=num;  
            num--;  
        }  
        return result;  
    }  
}
```



The screenshot shows a Windows command prompt window with the title bar "C:\Windows\System32\cmd.exe". The command history shows the following commands and output:

```
D:\Summer\JAVA\JAVA-Practice\Practice Tasks\10-8-2021>javac factWithoutRecursion.java  
D:\Summer\JAVA\JAVA-Practice\Practice Tasks\10-8-2021>java factWithoutRecursion  
Factorial of 5 is : 120  
D:\Summer\JAVA\JAVA-Practice\Practice Tasks\10-8-2021>
```