

eclipse-workspace - Helloworld/src/PrimeCheck.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

Package Explorer

- Helloworld
 - JRE System Library [JavaSE-17]
 - src
 - (default package)
 - Activity

FindFactorial.java PrimeCheck.java Pattern.java

```
1 //write a java program to find prime number
2
3
4 public class PrimeCheck {
5     public static void main(String args[]){
6         int i,m=0,flag=0;
7         int n=3;
8         m=n/2;
9         if(n==0||n==1){
10             System.out.println(n+" is not a prime number.");
11         }
12         else{
13             for(i=2;i<=m;i++){
14                 if(n%i==0){
15                     System.out.println(n+" is not a prime number.");
16                     flag=1;
17                     break;
18                 }
19             }
20             if(flag==0) { System.out.println(n+" is a prime number."); }
21         }
22     }
23 }
```

Outline

- PrimeCheck
 - main(String[])

Problems Javadoc Declaration Console

<terminated> PrimeCheck [Java Application] C:\Program Files\Java\jdk-17.0.4\bin\javaw.exe (25-Aug-2022, 4:53:56 pm – 4:54:01 pm) [pid: 15580]

3 is a prime number.

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Type here to search

33°C Haze 16:54 25-08-2022 ENG

The screenshot shows the Eclipse IDE interface. The Package Explorer on the left shows a project named 'Helloworld' with a source folder 'src' containing a package 'Activity'. The main editor displays the file 'FindFactorial.java' with the following code:

```
1 //write a java program to find the factorial of a number
2
3 import java.util.*;
4 public class FindFactorial {
5     public static void main(String[] args) {
6         System.out.println("Enter an Number: ");
7         Scanner sc = new Scanner(System.in);
8         int num = sc.nextInt();
9
10        if(num < 0){
11            System.out.println("Factorial of negative numbers cannot be calculated.");
12        } else if(num == 0){
13            System.out.println("Factorial of 0 is 1.");
14        }
15        else{
16            long factorial = 1;
17            for(int i=num; i>1; i--){
18                factorial *= i;
19            }
20            System.out.println("Factorial of "+num+" is "+factorial);
21        }
22    }
23 }
24
```

The Outline view on the right shows the class 'FindFactorial' with a method 'main(String[])'. The Console view at the bottom shows the output of the program:

```
<terminated> FindFactorial [Java Application] C:\Program Files\Java\jdk-17.0.4\bin\javaw.exe (25-Aug-2022, 4:54:11 pm - 4:54:17 pm) [pid: 17260]
Enter an Number:
4
Factorial of 4 is 24
```

