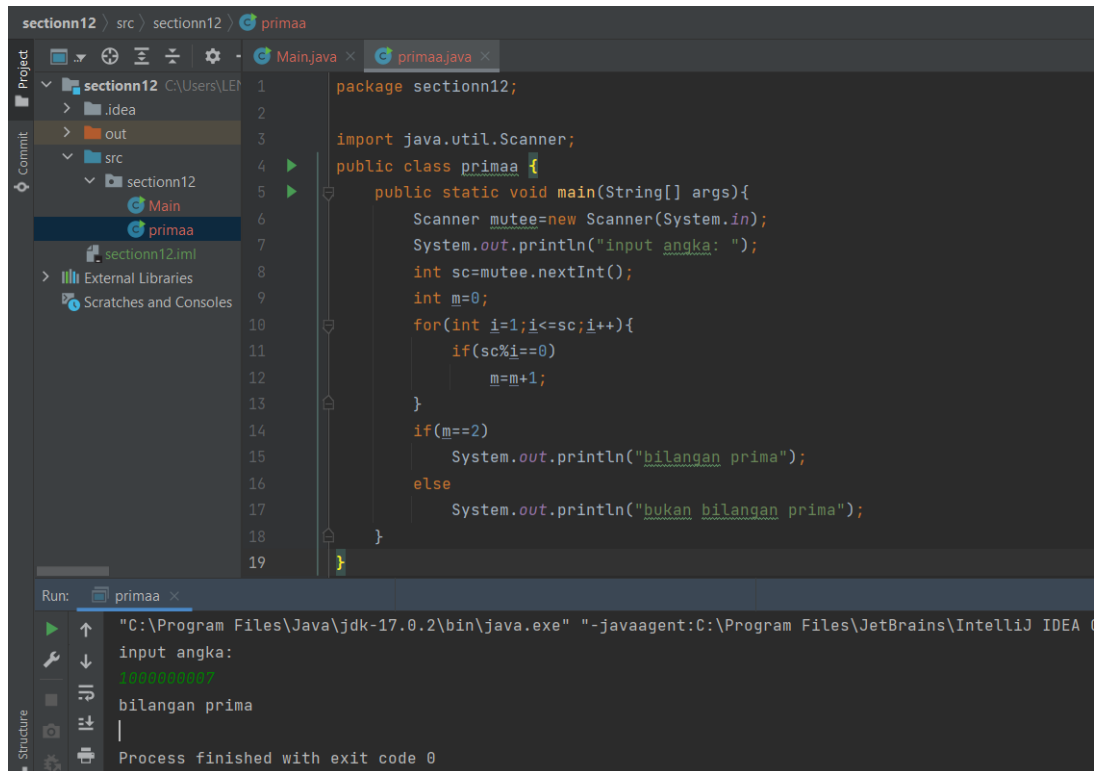


TUGAS SECTION 12 (Nurul Muthia Anggraeni Yasin)

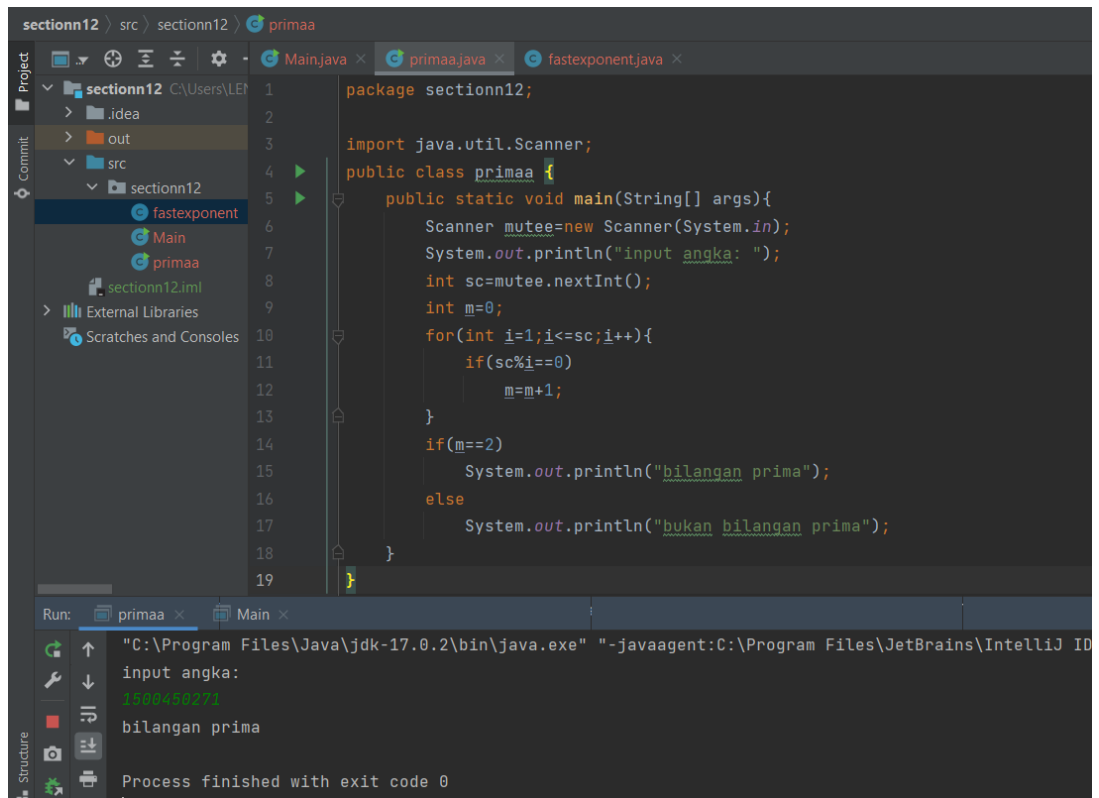
1. Bilangan Prima



The screenshot shows the IntelliJ IDEA IDE with a project named 'sectionn12'. The 'primaa' class is open, displaying the following Java code:

```
1 package sectionn12;
2
3 import java.util.Scanner;
4 public class primaa {
5     public static void main(String[] args){
6         Scanner mutee=new Scanner(System.in);
7         System.out.println("input angka: ");
8         int sc=mutee.nextInt();
9         int m=0;
10        for(int i=1;i<=sc;i++){
11            if(sc%i==0)
12                m=m+1;
13        }
14        if(m==2)
15            System.out.println("bilangan prima");
16        else
17            System.out.println("bukan bilangan prima");
18    }
19 }
```

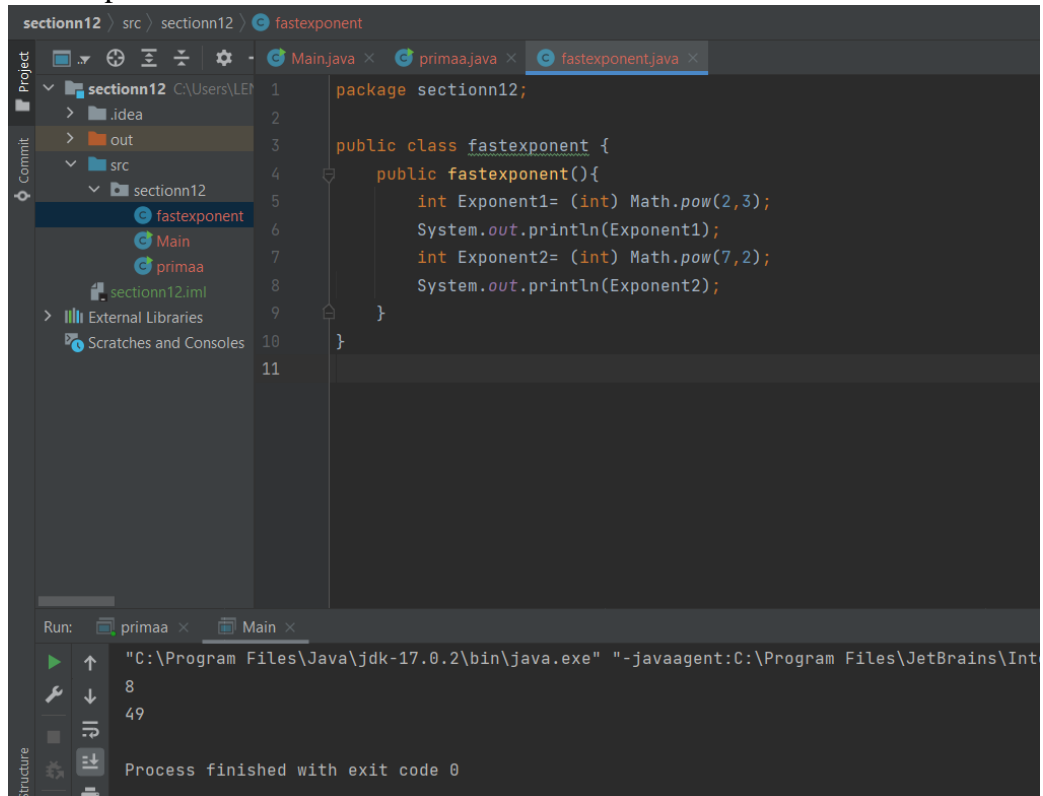
The Run console shows the execution of the program with the input '1000000007' and the output 'bilangan prima'. The process finished with exit code 0.



The screenshot shows the IntelliJ IDEA IDE with the same project 'sectionn12'. The 'primaa' class is open, displaying the same Java code as in the previous screenshot. The 'fastexponent' class is also visible in the project structure.

The Run console shows the execution of the program with the input '1500450271' and the output 'bilangan prima'. The process finished with exit code 0.

2. Fast Exponential



The screenshot shows an IDE with the following components:

- Project View:** A tree structure on the left showing the project 'sectionn12' with subfolders '.idea', 'out', and 'src'. The 'src' folder contains 'sectionn12', which includes 'fastexponent', 'Main', and 'primaa'. There is also a 'sectionn12.iml' file and 'External Libraries' and 'Scratches and Consoles'.
- Code Editor:** The main window displays the code for 'fastexponent.java'. The code is as follows:

```
1 package sectionn12;  
2  
3 public class fastexponent {  
4     public fastexponent(){  
5         int Exponent1= (int) Math.pow(2,3);  
6         System.out.println(Exponent1);  
7         int Exponent2= (int) Math.pow(7,2);  
8         System.out.println(Exponent2);  
9     }  
10 }  
11
```
- Run View:** At the bottom, the 'Run' tab shows the execution of 'primaa'. The command line is: `"C:\Program Files\Java\jdk-17.0.2\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA\bin\idea-agent.jar" -cp "C:\Users\LEI\src\sectionn12\out\classes" sectionn12.fastexponent`. The output shows the numbers 8 and 49, followed by the message 'Process finished with exit code 0'.