```java
23.import java.util.Scanner;
class factors
{
     public static void main(String args[])
     {
          Scanner input=new Scanner(System.in);
          System.out.print("Enter the number:");
          int n=input.nextInt();
          int factor=0;
          for(int i=1;i<=n;i++)
          {
               if(n%i==0)
               {
                    factor=factor+1;
               }
          }
          System.out.print("Number of factors for the
number:"+factor);
     }
}
```

Output

```
java -cp /tmp/uPF9Y7zRHl factors


Enter the number:100
Number of factors for the number:9
```