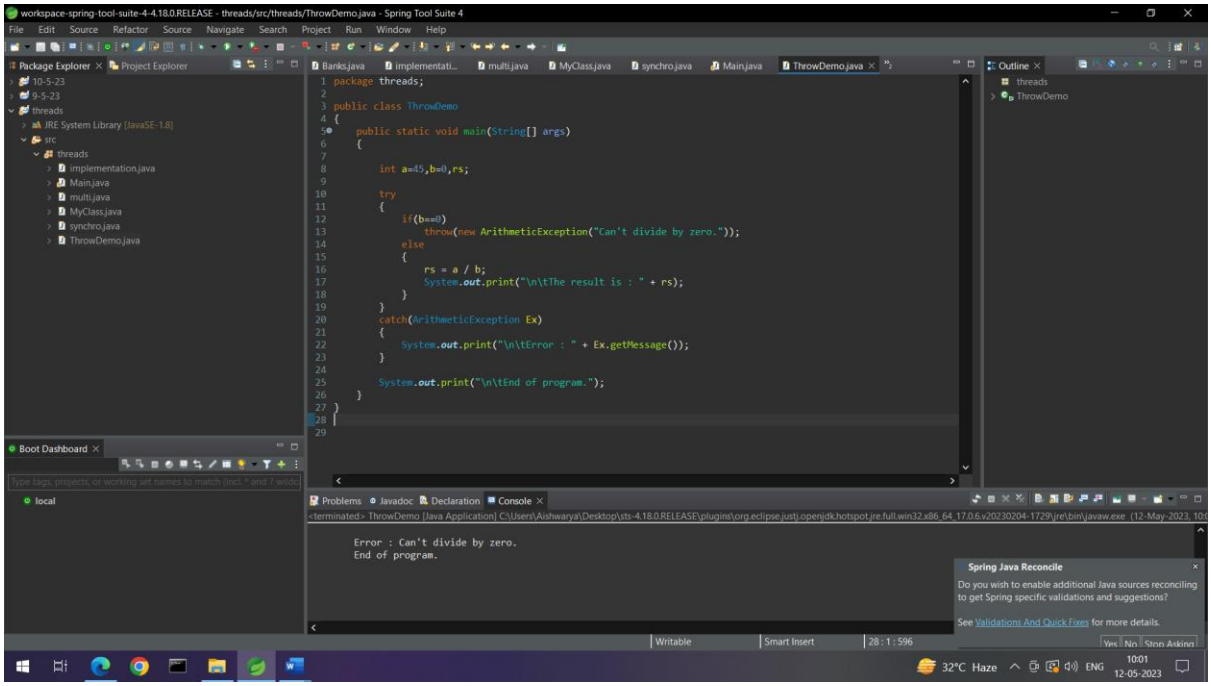
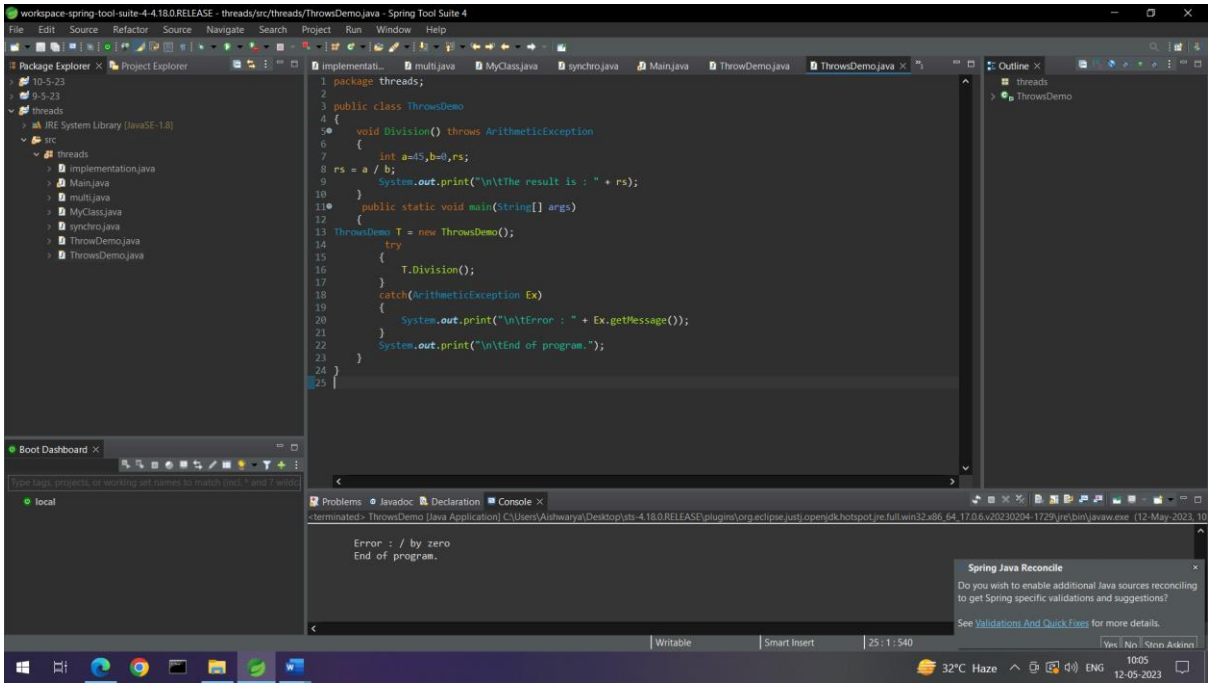
```java
package threads;

public class ThrowDemo
{
    public static void main(String[] args)
    {

        int a=45,b=0,rs;

        try
        {
            if(b==0)
                throw(new ArithmeticException("Can't divide by zero."));
            else
            {
                rs = a / b;
                System.out.print("\n\tThe result is : " + rs);
            }
        }
        catch(ArithmeticException Ex)
        {
            System.out.print("\n\tError : " + Ex.getMessage());
        }

        System.out.print("\n\tEnd of program.");
    }
}
```



```java
package threads;

public class ThrowsDemo
{
    void Division() throws ArithmeticException
    {
        int a=45,b=0,rs;
rs = a / b;
        System.out.print("\n\tThe result is : " + rs);
    }
     public static void main(String[] args)
    {
ThrowsDemo T = new ThrowsDemo();
         try
        {
            T.Division();
        }
        catch(ArithmeticException Ex)
        {
            System.out.print("\n\tError : " + Ex.getMessage());
        }
        System.out.print("\n\tEnd of program.");
    }
}
```



```java
package threads;

public class FinallyBlockDemo
{
    public static void main(String[] args)
    {
        int a=45,b=0,rs=0;
        try
        {
            rs = a / b;
        }
        catch(ArithmeticException Ex)
        {
            System.out.print("\n\tError : " + Ex.getMessage());
        }
        finally
        {
            System.out.print("\n\tThe result is : " + rs);
        }
    }
}
```