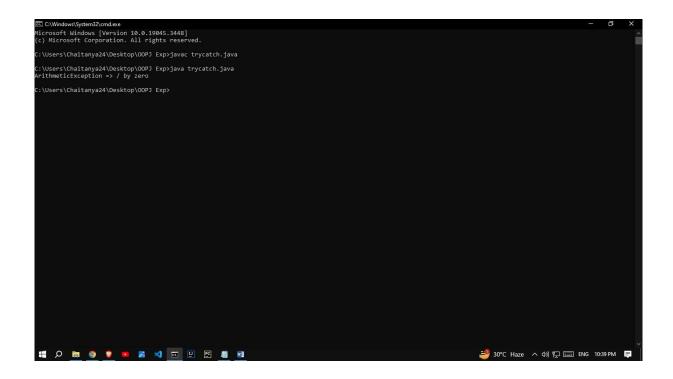
Implement a program on Exception Handling

```
1)Try-catch
class Main2
{
public static void main(String args[])
try{
 int divideByZero = 8/0;
 System.out.println("Rest of code in try block");
  }
  catch (ArithmeticException e) {
    System.out.println("ArithmeticException => " +
e.getMessage());
  }
```

Output:



2)finally

```
class TestFinallyBlock {
  public static void main(String args[]){
  try{
   int data=25/5;
   System.out.println(data);
  }
  catch(NullPointerException e){
  System.out.println(e);
}
```

```
finally {
System.out.println("finally block is always executed");
}
System.out.println("rest of phe code...");
}
```

Output:

```
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□ finally block is always executed

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```

3)throws

```
Import java.io.*;
class Testthrows2{
 public static void main(String args[]){
  try{
   M m=new M();
   m.method();
  }catch(Exception e){System.out.println("exception
handled");}
  System.out.println("normal flow...");
}
class M{
void method()throws IOException{
 throw new IOException("device error");
Output:
```

4)throw

```
class TestThrow3
{
    public static void main(String args[])
    {
       try
       {
          throw new UserDefinedException("This is user-defined exception");
       }
       catch (UserDefinedException ude)
```

```
{
    System.out.println("Caught the exception");
    System.out.println(ude.getMessage());
}
}
class UserDefinedException extends Exception
{
    public UserDefinedException(String str)
    {
        super(str);
    }
}
Output:
```

