Labsheet 10

01)

```java
package com.mycompany.testexception;
import java.util.Scanner;
public class TestException
{
    public static void main(String[] args)
    {
        int n1,n2,ans;
        Scanner sc=new Scanner(System.in);
        try
        {
            System.out.println("Enter first number: ");
            n1=sc.nextInt();
            System.out.println("Enter second number: ");
            n2=sc.nextInt();
            ans=n1/n2;
            System.out.println("Answer: "+ans);
        }
        catch(Exception e)
        {
            System.out.println("Number divide by zero error");
        }
    }
}
```

02)

```java
package com.mycompany.testexception1;
import java.util.Scanner;
public class TestException1
{

    public static void main(String[] args)
    {
        int n1=10,n2=2,ans;
        int arr[]=new int[5];

        try
        {
            ans=n1/n2;
            System.out.println("Answer: "+ans);
            arr[4]=25;
            System.out.println("Last element: "+arr[4]);

        }
        catch(ArithmeticException e)
        {
            System.out.println("Number divide by zero error");
        }
        catch(ArrayIndexOutOfBoundsException e)
        {
            System.out.println("Array index error");
        }
    }
}
```