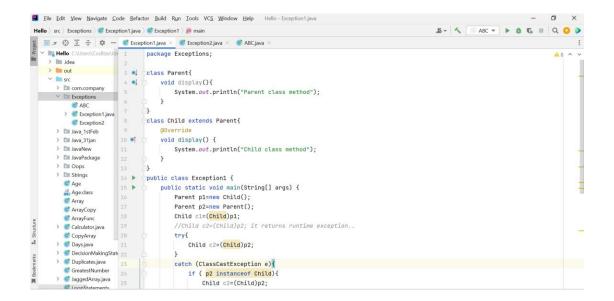
1)Write a code for "ClassCastException" and handle it using Exception handling Mechanism.

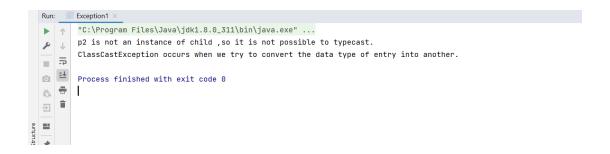
=>try,catch,finally



```
> com.company 21
> Exceptions 22
                                       Child c2=(Child)p2;
  catch (ClassCastException e){
                                       if ( p2 instanceof Child){
                                           Child c2=(Child)p2;
> 🛅 Java_1stFeb
                                           System.out.println("Typecast is possible as it is instance .");
 > 🛅 Java_31jan
> 🛅 JavaNew
                                       else{
  JavaPackage
                                           System.out.println("p2 is not an instance of child ,so it is not possible to typecast.");
> 🛅 Oops
> 🛅 Strings
  C Age
  Age.class
                                   finally {
  Array
ArrayCopy
                                       System.out.println("ClassCastException occurs when we try to convert the data type of entry into another.");

    ArrayFunc
    Calculator.java

  CopyArray
> © DecisionMakingState 38
> © Duplicates.java
> 💣 JaggedArray.java
```



2)try to add Numeric data in String data type then handle this exception

```
    Eile Edit View Navigate Code Refactor Build Run Iools VC∑ Window Help
    Hello - Exception2.java
                                                                                                                                                                                                                                                                                                                                                                        ■ .# ② Ξ 🛨 💠 — 🍪 Exception1.java × 💣 Exception2.java × 📽 ABC.java ×
          ✓ III Hello C:\Users\Coditas\Ide 2
             > idea 3
                                                                                                      import java.util.Scanner;
      public class Exception2 {

by Exceptions

con.company

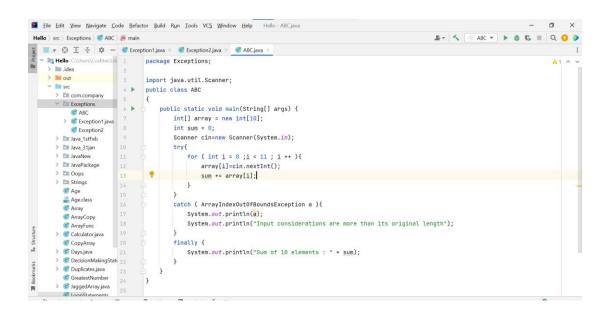
co
              ✓ 🗎 src
                                                                                                               public static void main(String[] args) {
                                                                                                                                Scanner cin=new Scanner(System.in);
                                                                                                             System.out.println("Enter : ");
                                                                                                                                   String s =cin.next();
                      > lava_31jan
> lavaNew
                                                                                                                                 int i=Integer.parseInt(s);
                       > 🛅 JavaPackage
                                                                                                                  catch (Exception e){
    System.out.print
                       > 🛅 Oops
                                                                                                                                           System.out.println("Not every string can be converted into interger");
                      > 🛅 Strings
                          C Age
                                                                                                                                finally {
                            Age.class
                                                                                                                                             System.out.println("Exception handled");
                    ArrayCopy
ArrayFunc
Calculator.java
                              © CopyArray
                     > 💣 Days.java
                       > @ Duplicates.java
                       > d JaggedArray.java
```



3)

public class ABC

```
public static void main(String[] args) {
    int[] array = new int[10]; int sum = 0;
    // good code
    for (int i = 0; i < array.length; i++) {
        sum = sum + array[i];
    }
}
Try it for conditions =>1)i< 10
    =>2)i<11</pre>
```



```
Run:

ABC ×

C:\Program Files\Java\jdk1.8.0_311\bin\java.exe* ...

2
3
4
5
5
6
7
8
9
9
11
java.lang.ArrayIndexOutOfBoundsException: 10
Input considerations are more than its original length
Sum of 10 elements: 45

Process finished with exit code 0
```