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Praktik 1

```
1 package pertemuan12;
2 public class BagiNol1 {
3     public static void main(String[] args) {
4         System.out.println("Sebelum pembagian");
5         System.out.println(5/0);
6         System.out.println("Sesudah pembagian");
7     }
8 }
9
```

Output - pertemuan12 (run) %

```
run:
Sebelum pembagian
Exception in thread "main" java.lang.ArithmeticException: / by zero
    at pertemuan12.BagiNol1.main(BagiNol1.java:5)
Java Result: 1
BUILD SUCCESSFUL (total time: 0 seconds)
```

Praktik 2

```
1 package pertemuan12;
2 public class BagiNol2 {
3     public static void main(String[] args) {
4         System.out.println("Sebelum pembagian");
5         try { System.out.println(5/0); }
6         catch (Exception t) {
7             System.out.print("Pesan kesalahan: ");
8             System.out.println(t.getMessage());
9         }
10        System.out.println("Sesudah pembagian");
11    }
12 }
```

pertemuan12.BagiNol2 > main > try > catch Exception t >

Output - pertemuan12 (run) %

run:
Sebelum pembagian
Pesan kesalahan: / by zero
Sesudah pembagian
BUILD SUCCESSFUL (total time: 0 seconds)

Praktik 3

```
1 package pertemuan12;
2 public class MultiCatchException{
3     public static void main(String args[]) {
4         try{
5             System.out.println(5/0);
6         }
7         catch(ArithmeticException e) {
8             System.out.println(0);
9         }
10        catch(ArrayIndexOutOfBoundsException e) {
11            System.out.println(1);
12        }
13        catch(Exception e) {
14            System.out.println(2);
15        }
16    }
17 }
```

pertemuan12.MultiCatchException > main >

Output - pertemuan12 (run) %

run:
0
BUILD SUCCESSFUL (total time: 0 seconds)

Praktik 4

```
1 package pertemuan12;
2 public class MultiCatchException1{
3     public static void main(String args[]){
4         try{
5             System.out.println(5/0);
6         }
7         catch(ArithmeticException e){
8             System.out.println(0);
9         }
10        catch(ArrayIndexOutOfBoundsException e){
11            System.out.println(1);
12        }
13        catch(Exception e){
14            System.out.println(2);
15        }
16        finally{
17            System.out.println(3);
18        }
19    }
20 }
```

pertemuan12.MultiCatchException1 > main >

Output - pertemuan12 (run) %

run:
0
3
BUILD SUCCESSFUL (total time: 0 seconds)

Praktik 5

```
1 package pertemuan12;
2 public class DemoEksepsi {
3     public static void methodLain() {
4         try {
5             throw new ArrayIndexOutOfBoundsException(1);
6         }
7         catch (ArrayIndexOutOfBoundsException e){
8             System.out.println("Penanganan eksepsi dalam Method MethodLain()");
9         }
10        throw e;
11    }
12    public static void main(String[] args) {
13        try {
14            methodLain();
15        }
16        catch (ArrayIndexOutOfBoundsException e){
17            System.out.println("Penanganan eksepsi dalam Method main()");
18        }
19    }
20 }
```

pertemuan12.DemoEksepsi > main > try > catch ArrayIndexOutOfBoundsException e >

Output - pertemuan12 (run) %

run:
Penanganan eksepsi dalam Method MethodLain()
Penanganan eksepsi dalam Method main()
BUILD SUCCESSFUL (total time: 0 seconds)

Latihan

- 1 .Buat 2 contoh program menggunakan class exception selain yang telah dipraktikkan.

```
1 package pertemuan12;
2 import java.io.*;
3
4 public class Latihan {
5     public static void main(String args[]) {
6         try {
7             int a[] = new int[2];
8             System.out.println("Access element three :" + a[3]);
9         } catch (ArrayIndexOutOfBoundsException e) {
10             System.out.println("Exception thrown :" + e);
11         }
12         System.out.println("Out of the block");
13     }
14 }
```

Output - pertemuan12 (run) ✖

```
run:
Exception thrown :java.lang.ArrayIndexOutOfBoundsException: 3
Out of the block
BUILD SUCCESSFUL (total time: 0 seconds)
```

Tugas

1. Jelaskan perbedaan kelas error dengan kelas exception.
2. sebutkan kegunaan dari exception handling.