Exceptions Tasks Outputs:

1.

```
java.lang.ArithmeticException: / by zero
java.lang.ArithmeticException: / by zero
Program has ended
```

2.

```
Enter a number:
9
java.lang.IllegalArgumentException: The provided number must be even.
Program has ended.
```

3.

```
It exists.
```

4.

```
Exception caught: Positive number detected: 9
```

5.

```
Exception caught: The file is empty
```

I/O Tasks outputs:

1.

```
Files and Directories in: src/Example
[File]  Exception1.java
[File]  Exception2.java
[File]  Exception3.java
[File]  Exception4.java
[File]  Exception5.java
[File]  IO1.java
[File]  IO10.java
[File]  IO11.java
[File]  IO2.java
[File]  IO3.java
[File]  IO4.java
[File]  IO5.java
[File]  IO6.java
[File]  IO7.java
[File]  IO8.java
[File]  Listofnumbers.txt
[File]  Text1.txt
[File]  Threads1.java
[File]  Threads2.java
```

2.

```
Files and Directories in: src/Example
[File] Listofnumbers.txt
[File] Text1.txt
```

3.

```
Enter the directory path/file path of you choice: (ex: src/Example)
src/Example/IO1.java
Given path exists
```

4.

```
Enter the directory path/file path of you choice: (ex: src/Example)
src/Example
The path points to a directory: src/Example
```

5.

```
Enter the directory path/file path of you choice: (ex: src/Example)
src/Example
The path points to a directory: src/Example
```

6.

```
Enter the directory path/file path of you choice: (ex: src/Example)
src/Example
1738642273280
The last modified date is: Tue Feb 04 09:41:13 IST 2025
```

7.

```
Enter your input: Hello
You entered: Hello
```

8.

```
Enter the file path:
src/Example/Listofnumbers.txt
File size in bytes: 38
File size in KB: 0.037109375
File size in MB: 3.62396240234375E-5
```

10.

```
-1
-2
-3
-4
-5
-6
-7
-8
9
-10
```

11.

```
package Example;

class Threads1 extends Thread {
    public void run() {
        System.out.println("Hello, Java!");
    }

    public static void main(String[] args) {
        Threads1 thread = new Threads1();
        thread.start();
    }
}
```

Threads Tasks outputs:

1.

```
Hello, Java!
```

2.

```
Even: 2
Odd: 1
Even: 4
Even: 6
Even: 8
Even: 10
Even: 12
Even: 14
Even: 16
Even: 18
Even: 20
Odd: 3
Odd: 5
Odd: 7
Odd: 9
Odd: 11
Odd: 13
Odd: 15
Odd: 17
Odd: 19
```