CS-261 Week 8

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Section 2A

1.

```java
String arr[] = { "23.5", "55.0", "17.3" };
String arr2[] = { "23.5", null, "17.3" };
String arr3[] = { "23.5", "55.0.3", "17.3" };
Average obj = new Average();
obj.averag(arr);
obj.averag(arr2);
obj.averag(arr3);
```

```
31.933333333333334
Recaught: java.lang.NullPointerException
Recaught: java.lang.NumberFormatException: multiple points
```

2.

```java
String arr[] = { "0.5", "0.1", "0.3" };
String arr4[] = { "0.5", "0.3", "0.3" };
String arr2[] = { "0.5", "1.7", "0.3" };
String arr3[] = { "0.5", "55.0.3", "0.3" };
Add obj = new Add();
try {
    obj.ad(arr);

    obj.ad(arr3);
} catch (NumberFormatException e) {
    System.out.println("Recaught: " + e);
} catch (RangeException e) {
    System.out.println("Recaught: " + e);
} finally {
    System.out.println("Thanks for using block A");
}

try {
    obj.ad(arr4);
    obj.ad(arr2);

} catch (NumberFormatException e) {
    System.out.println("Recaught: " + e);
} catch (RangeException e) {
    System.out.println("Recaught: " + e);
} finally {
    System.out.println("Thanks for using block B");
}
```

```
0.8999999999999999
Recaught: java.lang.NumberFormatException: multiple points
Thanks for using block A
1.1
Recaught: [1.7] is out of range
Thanks for using block B
```

3.

```
C:\Users\Chirag\00_data\JavaFiles>javac SuperClass.java

C:\Users\Chirag\00_data\JavaFiles>java SuperClass "java.lang.Object.C"
 3
```

```
C:\Users\Chirag\00_data\JavaFiles>java SuperClass "package.D"
java.lang.ClassNotFoundException: D
```

4.

```
C:\Users\Chirag\00_data\JavaFiles>javac FibbonacciInput.java

C:\Users\Chirag\00_data\JavaFiles>java FibbonacciInput 10 201951050_fib
File already exists.
1
2
3
5
8
13
21
34
55
```

```
C:\Users\Chirag\00_data\JavaFiles>java FibbonacciOutput 201951050_fib.txt
1
2
3
5
8
13
21
34
55
```

5.

```
C:\Users\Chirag\00_data\JavaFiles>java Directory C:\\Users\\Chirag\\00_data\\JavaFiles\\OOPs_CS261
`````````````````````````````````````````
Files from the DIRECTORY : C:\Users\Chirag\00_data\JavaFiles\OOPs_CS261
`````````````````````````````````````````
[.cph]
[Week1]
        [.cph]
        Armstrong.java
        Circle.java
        EvenOdd.java
        Factorial.java
        Fibbonocci.java
        Interest.java
        LargestThree.java
        LeapYear.java
        MeanMeadian.java
        Palindrome.java
        Prime.java
        PrimeRange.java
        Rectangle.java
        SumOfDigits.java
        Table.java
        TemperatureUnit.java
[Week2]
        [.cph]
        Employee.java
[Week4]
        [.cph]
        Bank.java
```