

23/07/24

The image displays three sequential screenshots of a Java IDE interface, each showing a different Java program being executed. The IDE has a sidebar on the left with icons for file operations and language selection (JS, GO, php). The main area is split into a code editor and an output console.

Top Screenshot: AgeManipulation.java

```
1- public class AgeManipulation {
2-     public static void main(String[] args) {
3         int age1 = -5;
4         int age2 = 95;
5         age1 = Math.max(0, Math.min(age1, 40));
6         age2 = Math.max(0, Math.min(age2, 40));
7         System.out.println("Age 1 after manipulation: " + age1);
8         System.out.println("Age 2 after manipulation: " + age2);
9     }
10 }
```

Output:

```
java -cp /tmp/kzZjnVfGwT/AgeManipulation
Age 1 after manipulation: 0
Age 2 after manipulation: 40

=== Code Execution Successful ===
```

Middle Screenshot: ComputeBMI.java

```
1- public class ComputeBMI {
2-     public static void main(String[] args) {
3         double weight = 70.0;
4         double height = 1.75;
5         double bmi = weight / (height * height);
6         double roundedBMI = Math.round(bmi * 100.0) / 100.0;
7         System.out.println("BMI: " + roundedBMI);
8     }
9 }
```

Output:

```
java -cp /tmp/bqxeymdhWg/ComputeBMI
BMI: 22.86

=== Code Execution Successful ===
```

Bottom Screenshot: Main.java

```
1- public class Main {
2-     public static void main(String[] args) {
3         double result1 = -Math.abs(-1.23);
4         double result2 = -Math.pow(3, 2);
5         double result3 = -Math.sqrt(121.0) - Math.sqrt(256.0);
6         double result4 = -Math.abs(Math.min(-3, -5));
7         System.out.println("Result 1: " + result1);
8         System.out.println("Result 2: " + result2);
9         System.out.println("Result 3: " + result3);
10        System.out.println("Result 4: " + result4);
11    }
12 }
```

Output:

```
java -cp /tmp/bwJPW33aMx/Main
Result 1: -1.23
Result 2: -9.0
Result 3: -27.0
Result 4: -5.0

=== Code Execution Successful ===
```

