

JP Practice Programs

```
sortAndSearch.java  Fruit.java × Enum1.java  AssertEx.java  Main.java  Bike.java  BikeParts.java
1 public class Fruit<T> {
2     private T fruit;
3
4     public Fruit(T fruit) {
5         this.fruit = fruit;
6     }
7
8     public T getFruit() {
9         return fruit;
10    }
11
12    public void setFruit(T fruit) {
13        this.fruit = fruit;
14    }
15
16    public void displayFruit() {
17        System.out.println("The fruit is: " + fruit);
18    }
19
20    public static void main(String[] args) {
21        Fruit<String> apple = new Fruit<>("Apple");
22        apple.displayFruit();
23
24        Fruit<Integer> fruitId = new Fruit<>(101);
25        fruitId.displayFruit();
26    }
27 }
```

```
Console ×
<terminated> Fruit [Java Application] C:\Users\DELL\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_22.0.1.v20240426-1149\jre\bin\javaw.exe (22 Aug 2024, 8
The fruit is: Apple
The fruit is: 101
```

```
sortAndSearch.java  Fruit.java  Enum1.java ×  AssertEx.java  Main.java  Bike.java  BikeParts.java
1 public class Enum1 {
2     public enum Fruits { APPLE, STRAWBERRY, MANGO, BANANA, CHERRY, LYCHEE }
3     public static void main(String[] args) {
4         for (Fruits f : Fruits.values()){
5             System.out.println(f);
6         }
7         System.out.println("Value of APPLE is: "+Fruits.valueOf("APPLE"));
8         System.out.println("Index of LYCHEE is: "+Fruits.valueOf("LYCHEE").ordinal());
9         System.out.println("Index of CHERRY is: "+Fruits.valueOf("CHERRY").ordinal());
10    }
11 }
```

```
Console ×
<terminated> Enum1 [Java Application] C:\Users\DELL\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_22.0.1.v20240426-1149\jre\bin\ja
APPLE
STRAWBERRY
MANGO
BANANA
CHERRY
LYCHEE
Value of APPLE is: APPLE
Index of LYCHEE is: 5
Index of CHERRY is: 4
```

```
sortAndSearch.java  Fruit.java  Enum1.java  AssertEx.java ×  Main.java  Bike.java  BikeParts.java
1 package project;
2 import java.util.Scanner;
3 public class AssertEx{
4     public static void main(String[] args) {
5         Scanner in= new Scanner(System.in);
6         System.out.print("Please enter a number: ");
7         double x = in.nextDouble();
8         in.close();
9         assert x < 2_147_43_947.0;
10        System.out.println("Value of x: "+ x);
11        int y = (int) (x);
12        System.out.println(y);
13    }
14 }
15

Console ×
<terminated> Enum1 [Java Application] C:\Users\DELL\p2\pool\plugins\org.eclipse.justj.openjdkhotspot.jre.full.win32.x86_64_22.0.1.v20240426-1149\jre\bin\java.exe
Please enter a number: 3000000
Value of x: 3000000.0
3000000
```