## **Assignment-5**

DETERMINE THE TYPE OF PRIMITIVE VALUE AND CONVERT TO ITS WRAPPER CLASS VALUE:

## CODE:

```
package Assignment5;
import java.util.Scanner;
public class WrapperClassConvert {
    public Object convertToWrapper(Object input) { lusage
        if (input == null || !isPrimitive(input)) {
            return "Give proper primitive type as input";
        }
        if (input instanceof Integer) {
            return ((Integer) input).intValue();
        } else if (input instanceof Long) {
            return ((Long) input).longValue();
        } else if (input instanceof Double) {
            return ((Double) input).doubleValue();
        } else if (input instanceof Float) {
            return ((Ploat) input).floatValue();
        } else if (input instanceof Character) {
            return ((Character) input).doubleValue();
        } else if (input instanceof Boolean) {
            return ((Character) input).doubleanValue();
        } else if (input instanceof Boolean) {
            return ((Short) input).shortValue();
        } else if (input instanceof Byte) {
            return ((Short) input).shortValue();
        } else if (input instanceof Byte) {
            return ((Byte) input).byteValue();
        } ereturn null;
    }
}
```

```
private boolean isPrimitive(Object input) { 1 usage

return input instanceof Integer ||

input instanceof Long ||

input instanceof Double ||

input instanceof Float ||

input instanceof Character ||

input instanceof Boolean ||

input instanceof Short ||

input instanceof Byte;

}
```

```
public static void main(String[] args) {
    WrapperClassConvert converter = new WrapperClassConvert();
    Scanner scanner = new Scanner(System.in);
    System.out.println(converter.convertToWrapper(lapsc);
    if (scanner.hasNext) {
        input = scanner.nextEon() {
            input = scanner.nextLong();
        } else if (scanner.hasNextLong()) {
            input = scanner.nextLong();
        } else if (scanner.hasNextDouble()) {
            input = scanner.nextDouble();
        } else if (scanner.hasNextEond()) {
            input = scanner.nextDouble();
        } else if (scanner.hasNextEond()) {
            input = scanner.nextEond();
        } else if (scanner.hasNextEond()) {
            input = scanner.nextEond();
        } else if (scanner.hasNextEond());
    } else if (scanner.hasNext()) {
            input = scanner.nextEond();
        } else if (scanner.hasNext());
    } else if (scanner.hasNext());
    }
}
System.out.println(converter.convertToWrapper(input));
}
else {
        System.out.println("Give proper primitive type as input");
}
```

## Output1:

```
"C:\Program Files\Java\jdk-20\bin\java.exe" "-javaagent:C:\Program Files\Jet8rains\IntelliJ IDEA 2024.1\lib\idea_rt.jar=62115:C:\Program Files\Jet8rains\IntelliJ IDEA 2024.1\bi Enter a primitive value: 123
Expected output:123
Process finished with exit code 0
```

## Output2:

```
"C:\Program Files\Java\jdk-20\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA 2024.1\lib\idea_rt.jar=62094:C:\Program Files\JetBrains\IntelliJ IDEA 2024.1\bi Enter a primitive value:
"SAI"
Please enter a proper primitive type as input.

Process finished with exit code 0
```