

```

package Assignment5;

import java.util.Scanner;

public class WrapperClassConvert {

    public static void main(String[] args){
        Scanner scan = new Scanner(System.in);
        WrapperClassConvert converter = new WrapperClassConvert();
        String userInput = scan.nextLine();
        Object res;
        try{
            if (userInput.matches("-?\\d+")){
                res= converter.convertToWrapper(Integer.parseInt(userInput));
            }else if(userInput.matches("-?\\d+\\.\\d+")){
                res= converter.convertToWrapper(Double.parseDouble(userInput));
            }else if(userInput.equalsIgnoreCase("true") || userInput.equalsIgnoreCase("false")){
                res= converter.convertToWrapper(Boolean.parseBoolean(userInput));
            }else if(userInput.length() == 1){
                res= converter.convertToWrapper(userInput.charAt(0));
            }else{
                res="Give proper primitive type as input";
            }
        }catch(NumberFormatException e){
            res="Give proper primitive type as input";
        }
        System.out.println(res);
    }

    public Object convertToWrapper(Object input) {
        if(input == null){
            return "Give proper primitive type as input";
        }
        if(input instanceof Integer){
            return Integer.valueOf((int) input);
        }
    }

```

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    }else if (input instanceof Double){
        return Double.valueOf((double) input);
    }else if (input instanceof Float){
        return Float.valueOf((float) input);
    }else if (input instanceof Long){
        return Long.valueOf((long) input);
    }else if (input instanceof Short){
        return Short.valueOf((short) input);
    }else if (input instanceof Byte){
        return Byte.valueOf((byte) input);
    }else if (input instanceof Character){
        return Character.valueOf((char) input);
    }else if (input instanceof Boolean){
        return Boolean.valueOf((boolean) input);
    }else{
        return "Give proper primitive type as input";
    }
}
}

```

The screenshot shows the Eclipse IDE interface. The left pane displays the source code for `WrapperClassConvert.java`. The right pane shows the console output, which includes a terminated message and the input `10`.

```

eclipse-workspace2 - Assignments/src/Assignment5/WrapperClassConvert.java - Eclipse IDE
File Edit Source Refactor Source Navigate Search Project Run Window Help

WrapperClassConvert.java X
1 package Assignment5;
2 import java.util.Scanner;
3
4 public class WrapperClassConvert {
5     public static void main(String[] args){
6         Scanner scan = new Scanner(System.in);
7         WrapperClassConvert converter = new WrapperClassConvert();
8         String userInput = scan.nextLine();
9         Object res;
10        try{
11            if (userInput.matches("-?\\d+")){
12                res= converter.convertToWrapper(Integer.parseInt(userInput));
13            }else if(userInput.matches("-?\\d+\\.\\d+")){
14                res= converter.convertToWrapper(Double.parseDouble(userInput));
15            }else if(userInput.equalsIgnoreCase("true") || userInput.equalsIgnoreCase("false")){
16                res= converter.convertToWrapper(Boolean.parseBoolean(userInput));
17            }else if(userInput.length() == 1){
18                res= converter.convertToWrapper(userInput.charAt(0));
19            }else{
20                res="Give proper primitive type as input";
21            }
22        }catch(NumberFormatException e){
23            res="Give proper primitive type as input";
24        }
25        System.out.println(res);
26    }
27
28    public Object convertToWrapper(Object input) {
29        if(input == null){
30            return "Give proper primitive type as input";
31        }
32        if(input instanceof Integer){
33            return Integer.valueOf((int) input);
34        }else if (input instanceof Double){
35            return Double.valueOf((double) input);
36        }else if (input instanceof Float){
37            return Float.valueOf((float) input);
38        }else if (input instanceof Long){
39            return Long.valueOf((long) input);
40        }else if (input instanceof Short){
41            return Short.valueOf((short) input);
42        }else if (input instanceof Byte){
43            return Byte.valueOf((byte) input);
44        }else{
45            return "Give proper primitive type as input";
46        }
47    }
48 }

```

Console X  
 <terminated> WrapperClassConvert [Java Application] C:\Users\vineel.p2\pool\plugins\org.eclipse.justi.openjdk hotspot.jre.full.win32.x86\_64  
 10  
 10

eclipse-workspace2 - Assignments/src/Assignment5/WrapperClassConvert.java - Eclipse IDE

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WrapperClassConvert.java X

```
1 package Assignment5;
2 import java.util.Scanner;
3
4 public class WrapperClassConvert {
5     public static void main(String[] args){
6         Scanner scan = new Scanner(System.in);
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17            }else if (userInput.length() == 1){
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19            }else{
20                res="Give proper primitive type as input";
21            }
22        }catch(NumberFormatException e){
23            res="Give proper primitive type as input";
24        }
25        System.out.println(res);
26    }
27
28    public Object convertToWrapper(Object input) {
29        if(input == null){
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32        if(input instanceof Integer){
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44        }else{
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```

Console X

<terminated> WrapperClassConvert [Java Application] C:\Users\vineel.p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86\_64

Give proper primitive type as input

eclipse-workspace2 - Assignments/src/Assignment5/WrapperClassConvert.java - Eclipse IDE

File Edit Source Refactor Source Navigate Search Project Run Window Help

WrapperClassConvert.java X

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17            }else if (userInput.length() == 1){
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19            }else{
20                res="Give proper primitive type as input";
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22        }catch(NumberFormatException e){
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25        System.out.println(res);
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28    public Object convertToWrapper(Object input) {
29        if(input == null){
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32        if(input instanceof Integer){
33            return Integer.valueOf((int) input);
34        }else if (input instanceof Double){
35            return Double.valueOf((double) input);
36        }else if (input instanceof Float){
37            return Float.valueOf((float) input);
38        }else if (input instanceof Long){
39            return Long.valueOf((long) input);
40        }else if (input instanceof Short){
41            return Short.valueOf((short) input);
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43            return Byte.valueOf((byte) input);
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45            return "Give proper primitive type as input";
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47    }
48 }
```

Console X

<terminated> WrapperClassConvert [Java Application] C:\Users\vineel.p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86\_64

"programming"

Give proper primitive type as input