# WRAPPER CLASS

(Q1) to Q4).

```
-> public class Q1 to 4{
    public static void main (String[] args){
        //Q1) to convert an integer into an Integer object.
        int a = 28;
        Integer b = a;
        //Q2) to convert an float into a Float object.
        float c = 28.0f;
        Float d = c;
        //Q3) to convert double to Double object.
        double e = 1.001;
        Double f = e;
        //Q4) to convert boolean to Boolean object
        boolean g = true;
        Boolean h = g;
    }
}.
```

Q5 to Q8).

```
-> public class Q5 to 8{
    public static void main(String[] args){
        /*Q5 to read an integer as string and convert to an
        Integer object */.
        String int_val = "5";
        Integer a = new Integer (int_val);
```

```
System.out.println("Integer value is:" +a);
/* Q6 to read a float as a string and convert it to
   a Float object */
String floatval = "2.4f";
Float b = new Float(floatval);
System.out.println("Float value is:" +b);
/* Q7 to read a double as a string and convert it to
   a Double object */
Double String doubleval = "1.001";
Double c = new Double(doubleval);
System.out.println("Double value is:" + c);
/* Q8 to read a boolean as a string and convert it
   to a Boolean object.
String booleanval = "true";
Boolean d = new Boolean(booleanval);
System.out.println("Boolan value is:" +d);
    }
}.
```

Output:

Integer value is: 5

Float value is: 2.4

Double value is: 1.001

Boolean value is: true.

Q9>.

```
-> import java.util.Scanner;
public class Q9{
    public static void main(String[] args){
        Scanner sc = new Scanner(System.in);
        // Reading int as a string and converting to Integer object
        System.out.println("Enter an integer:");
        String intStr = sc.nextLine();
        Integer intVal = Integer.valueOf(intStr);
        System.out.println("Integer Value:" + intVal);
        // Reading float as a string and converting to Float object.
        System.out.println("Enter a float:");
        String floatStr = sc.nextLine();
        Float floatVal = Float.valueOf(floatStr);
        System.out.println("Float value:" + floatVal);
        // Reading double as a string and converting to Double object
        System.out.println("Enter a double:");
        String doubleStr = sc.nextLine();
        Double doubleVal = Double.valueOf(doubleStr);
        System.out.println("Double Value:" + doubleVal);
        // Reading boolean as a string and converting to Boolean object
        System.out.println("Enter a boolean:");
        String booleanStr = sc.nextLine();
        Boolean booleanVal = Boolean.valueOf(booleanStr);
        System.out.println("Boolean value:" + booleanVal);
    }
}
```

Q10)
→ import j

Output:

Enter an integer: 3.
Integer value: 3.
Enter a float: 3.1f
Float value: 3.1
Enter a double: 1.001
Double value: 1.001
Enter a boolean value: true
Boolean value: true

Q10)
→
```
import java.util.Scanner;
public class Q10{
    public static void main(String[] args){
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter the first number:");
        double a = sc.nextDouble();
        System.out.println("Enter the second number:");
        double b = sc.nextDouble();
        System.out.println("Enter the operator (+,-,*,/):");
        char operator = sc.next().charAt(0);
        double result = 0;
        switch(operator){
            case '+':
                result = a+b;
                System.out.println("Sum: "+result);
                break;
            case '-':
                result = a-b;
                System.out.println("Difference: "+result);
                break;
```

```
        case '*':
            result = a*b;
            System.out.println("Product :" + result);
            break;
        case '/':
            if (a>b){
              result = a/b;
            } System.out.
            else {
              result = b/a;
            }
            System.out.println("Quotient :" + result);
            break;
        default:
            System.out.println("Invalid operator.");
            break;
    }
}
```

Output:

```
Enter the first number:
5
Enter the second number:
3
Enter the operator (+, -, *, /):
*
Product: 15.0
```

Q11 and Q12)

```
-> import java.util.Scanner;
public class Q11 and Q12{
    public static void main(String[] args){
        Scanner sc = new Scanner(System.in);
        // Q11) Read double no. as string and change it to base type.
        System.out.println("Enter the double value as String:");
        String doublestr = sc.nextLine();
        double doubleval = Double.parseDouble(doublestr);
        System.out.println("The double value is:" + doubleval);
        // Q12) Read int no. as string and change it to base type.
        System.out.println("Enter the int value as String:");
        String Intstr = sc.nextLine();
        int intval = Integer.parseInt(intstr);
        System.out.println("The integer value is:" + intval);
    }
}
```

Output.

```
Enter the double value as string:
1.001
The double value is: 1.0001
Enter the integer value as a string:
12
The integer value is: 12.
```