

Phase-1 Practice Project: Assisted Practice

1. Writing a program in Java to implement implicit and explicit type casting

```
package Demo;

public class TypeConversion {

    public static void main(String[] args) {

        //implicit conversion

        System.out.println("Implicit Type Casting:");

        char a='A';

        System.out.println("The value of a is "+a);

        int b=a;

        System.out.println("The value of b is "+b);

        float c=a;

        System.out.println("The value of c is "+c);

        long d=a;

        System.out.println("The value of d is "+d);

        double e=a;

        System.out.println("The value of e is "+e);

        System.out.println("\n");

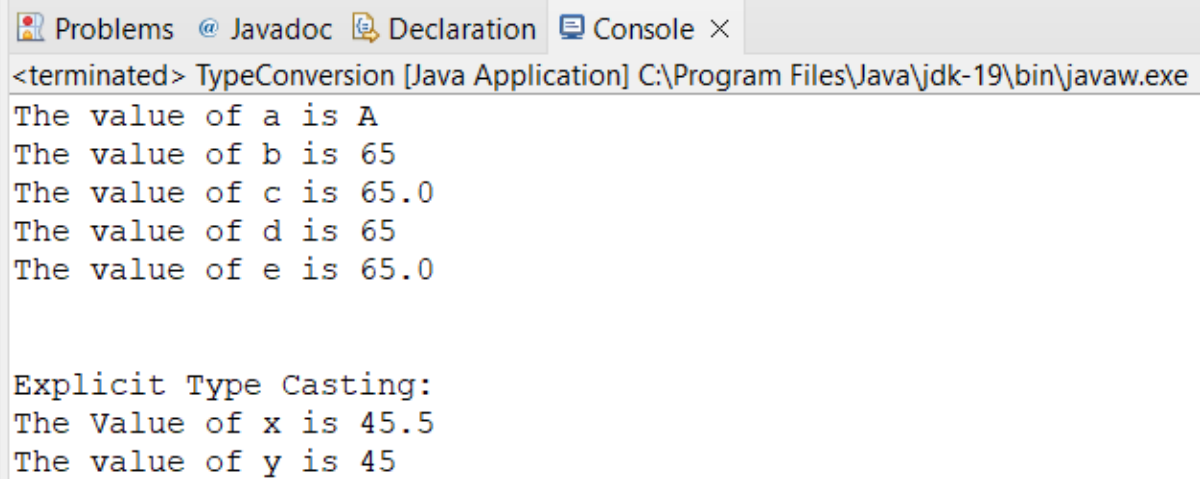
        System.out.println("Explicit Type Casting:");

        //explicit conversion

        double x=45.5;

        int y=(int)x;
```

```
System.out.println("The Value of x is "+x);  
  
System.out.println("The value of y is "+y);  
  
}  
  
}
```



The screenshot shows a Java IDE console window with the following tabs: Problems, Javadoc, Declaration, and Console. The Console tab is active, displaying the output of a Java application. The output consists of two sections. The first section shows the values of variables a, b, c, d, and e. The second section is titled "Explicit Type Casting:" and shows the values of variables x and y after casting.

```
<terminated> TypeConversion [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe  
The value of a is A  
The value of b is 65  
The value of c is 65.0  
The value of d is 65  
The value of e is 65.0  
  
Explicit Type Casting:  
The Value of x is 45.5  
The value of y is 45
```