SOURCE CODE:

```java
package typecasting;

public class typeCasting {

        public static void main(String[] args) {

            //implicit conversion

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

char a='A';

System.out.println("Value of a: "+a);

int b=a;

System.out.println("Value of b: "+b);

float c=a;

System.out.println("Value of c: "+c);

long d=a;

System.out.println("Value of d: "+d);

double e=a;

System.out.println("Value of e: "+e);

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

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

//explicit conversion

double x=45.5;

int y=(int)x;

System.out.println("Value of x: "+x);

System.out.println("Value of y: "+y);


}
}
```

OUTPUT:

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Problems Javadoc Declaration Console

<terminated> typeCasting [Java Application] C:\Users\rahul_a7puesf\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.7.v20230425-1502\jre\bin\javaw.exe (May 6, 2023, 9:55:12 AM – 9:55:44 AM) [pid: 10240]

```
Explicit Type Casting
Value of a: 4
Value of b: 65
Value of c: 65.0
Value of d: 65
Value of e: 65.0

Explicit Type Casting
Value of x: 65.5
Value of y: 65
```