

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

## ALGORITHM

**Step 1:** Start

**Step 2:** Assign integer, float, double , long to each variable

**Step 3:** Display the variables for implicit conversion

**Step 4:** Convert values to different data type explicitly

**Step 5:** Display converted values

**Step 6:** Stop

## SOURCE CODE

```
//program to implement implicit and explicit type casting

package assistedPracticeProject;

public class Practice_Project1
{
    public static void main(String args[])
    {
        System.out.println("----TYPE CASTING----\n");
        System.out.println("1.IMPLICIT TYPE CASTING\n");

        //assigning character variable
        char n1='N';
        System.out.println("CHARACTER = "+n1);

        //assigning character value to integer variable
        int n2=n1;
        System.out.println("INTEGER = "+n2);

        //assigning character value to float variable
        float n3=n1;
        System.out.println("FLOAT = "+n3);
    }
}
```

```

        //assigning character value to double variable
        double n4=n1;
        System.out.println("DOUBLE = "+n4);

        //assigning character value to long variable
        long n5=n1;
        System.out.println("LONG = "+n5);

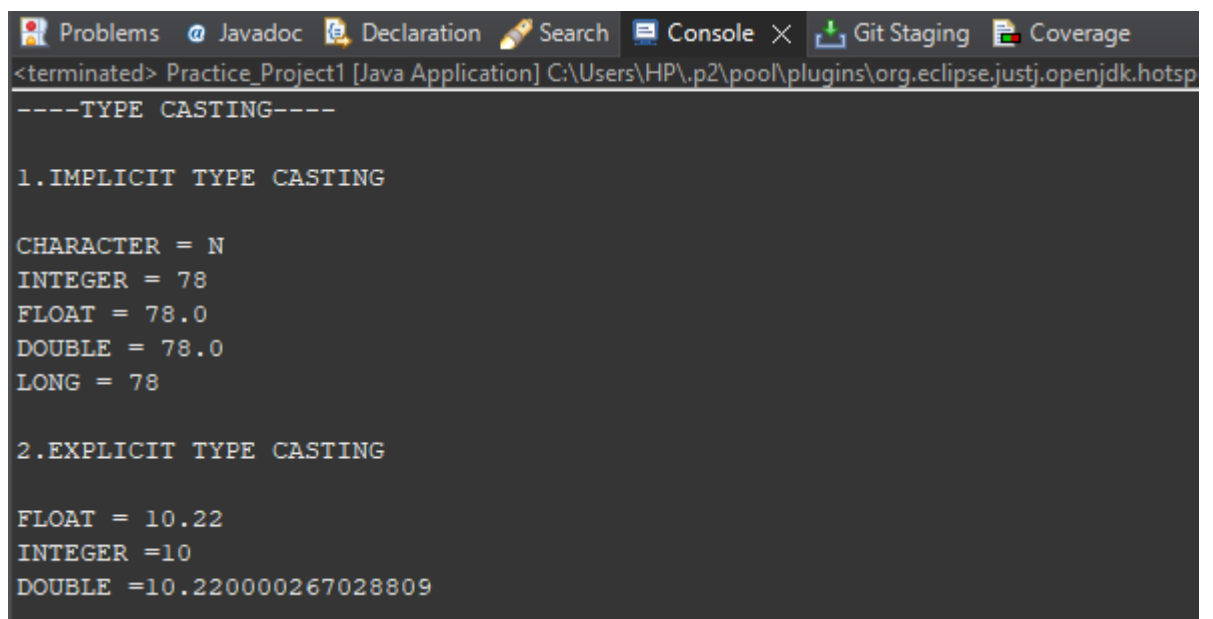
        System.out.println("\n2.EXPLICIT TYPE CASTING\n");
        //explicit conversion

        float f1=10.22f; //assigning float value
        int f2=(int)f1; // converting float to int explicitly
        double f3=(double)f1; //converting float to double
        System.out.println("FLOAT = "+f1);
        System.out.println("INTEGER =" +f2);
        System.out.println("DOUBLE =" +f3);

    }
}

```

## OUTPUT



```

<terminated> Practice_Project1 [Java Application] C:\Users\HP\.p2\pool\plugins\org.eclipse.justj.openjdk.hotsp
----TYPE CASTING----

1.IMPLICIT TYPE CASTING

CHARACTER = N
INTEGER = 78
FLOAT = 78.0
DOUBLE = 78.0
LONG = 78

2.EXPLICIT TYPE CASTING

FLOAT = 10.22
INTEGER =10
DOUBLE =10.220000267028809

```