

4. Writing a program in Java to verify the implementations of constructor type

ALGORITHM

Step 1: Start

Step 2: Create default constructor with same class name

Step 3: Assign default value to variables

Step 4: Create parameterized constructor with arguments

Step 5: Call the default constructor

Step 6: call the parameterized constructor by passing value.

Step 7: Stop

SOURCE CODE

```
//Implementation of constructor type
package assistedPracticeProject;

public class Practice_Project4
{
    Practice_Project4() //default constructor
    {
        System.out.println("---DEFAULT CONSTRUCTOR---\n");
        String name="default"; //assigning default value to 'name'
        System.out.println("NAME = "+name);
    }
    Practice_Project4(String name,int age) //constructor with arguments
    {
        String n=name;        // assigning called value to constructor variable
        int a=age;
        System.out.println("\n---PARAMETERIZED CONSTRUCTOR---\n");
        System.out.println("NAME = "+n);
    }
}
```

```
        System.out.println("AGE = "+a);

    }

    public static void main(String args[])
    {

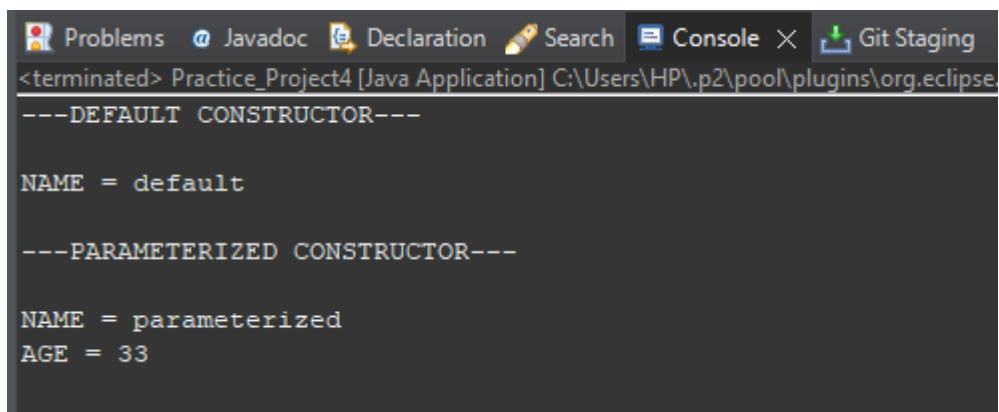
        Practice_Project4 p1=new Practice_Project4(); //creating default constructor

        Practice_Project4 p2=new Practice_Project4("parameterized",33); //creating
parameterized constructor

    }

}
```

OUTPUT



```
<terminated> Practice_Project4 [Java Application] C:\Users\HP\.p2\pool\plugins\org.eclipse
---DEFAULT CONSTRUCTOR---

NAME = default

---PARAMETERIZED CONSTRUCTOR---

NAME = parameterized
AGE = 33
```