

Practical : 7

Aim: Write a program to find that given number or string is palindrome or not.

- //This Program to find that given string is Palindrome or not.
//Developed by Patel Raj M.
//Date: 14th Aug 2017

```
import java.util.Scanner;
```

```
public class Palindrom  
{
```

```
    private static Scanner sc;
```

```
    public static void main(String[] args)  
    {
```

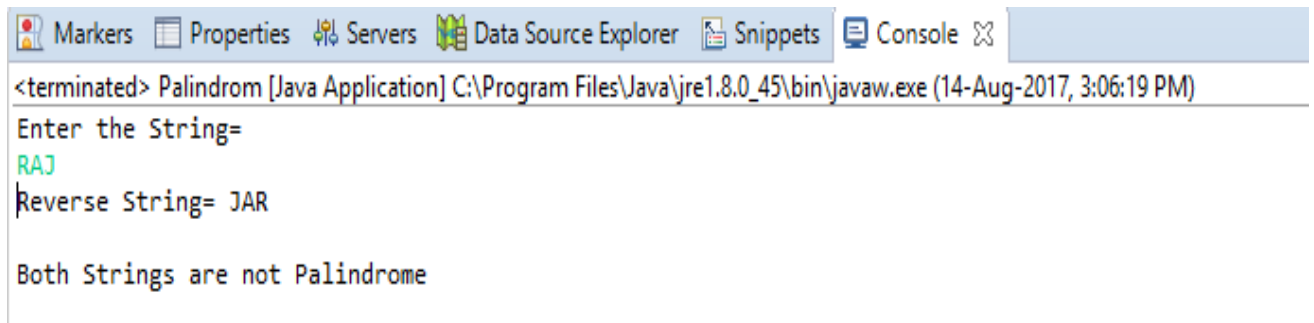
```
        String str="";  
        //Read The String  
        System.out.println("Enter the String= ");  
        sc = new Scanner(System.in);  
        str = sc.nextLine();  
        //Reverse the String
```

```
        StringBuffer rstr = new StringBuffer(str);  
        rstr.reverse();
```

```
        System.out.println("Reverse String= " + rstr);  
        //Comparing the Both String  
        if(str.equals(rstr.toString()))  
        {  
            System.out.println("\nBoth strings are Palindrome");  
        }  
        else  
        {  
            System.out.println("\nBoth Strings are not Palindrome");  
        }  
    }
```

```
}
```

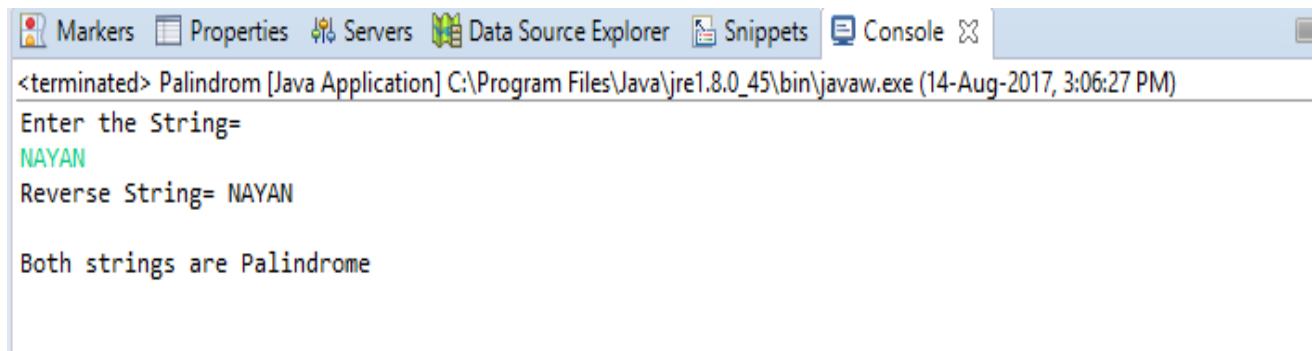
Output:



The screenshot shows a Java IDE window with the title bar "Palindrom [Java Application] C:\Program Files\Java\jre1.8.0_45\bin\javaw.exe (14-Aug-2017, 3:06:19 PM)". The console output is as follows:

```
<terminated> Palindrom [Java Application] C:\Program Files\Java\jre1.8.0_45\bin\javaw.exe (14-Aug-2017, 3:06:19 PM)
Enter the String=
RAJ
Reverse String= JAR

Both Strings are not Palindrome
```



The screenshot shows a Java IDE window with the title bar "Palindrom [Java Application] C:\Program Files\Java\jre1.8.0_45\bin\javaw.exe (14-Aug-2017, 3:06:27 PM)". The console output is as follows:

```
<terminated> Palindrom [Java Application] C:\Program Files\Java\jre1.8.0_45\bin\javaw.exe (14-Aug-2017, 3:06:27 PM)
Enter the String=
NAYAN
Reverse String= NAYAN

Both strings are Palindrome
```