

CSA0976 Java Programming

Name:M.Varun

Reg No:192111007

## ASSIGNMENT-1

### 1.CODE:

```
import java.util.*;
class squareroot
{
    public static void main(String[] args)
    {
        System.out.print("Enter a number: ");
        Scanner sc = new Scanner(System.in);
        int n = sc.nextInt();
        System.out.println("The square root of "+ n+ " is:"+squareRoot(n));
    }
    public static int squareRoot(int num)
    {
        int t;
        int sqrtroot=num/2;
        do
        {
            t=sqrtroot;
            sqrtroot=(t+(num/t))/2;
        }
        while((t-sqrtroot)!= 0);
        return sqrtroot;
    }
}
```

Output:

```
Command Prompt
Microsoft Windows [Version 10.0.22621.1265]
(c) Microsoft Corporation. All rights reserved.

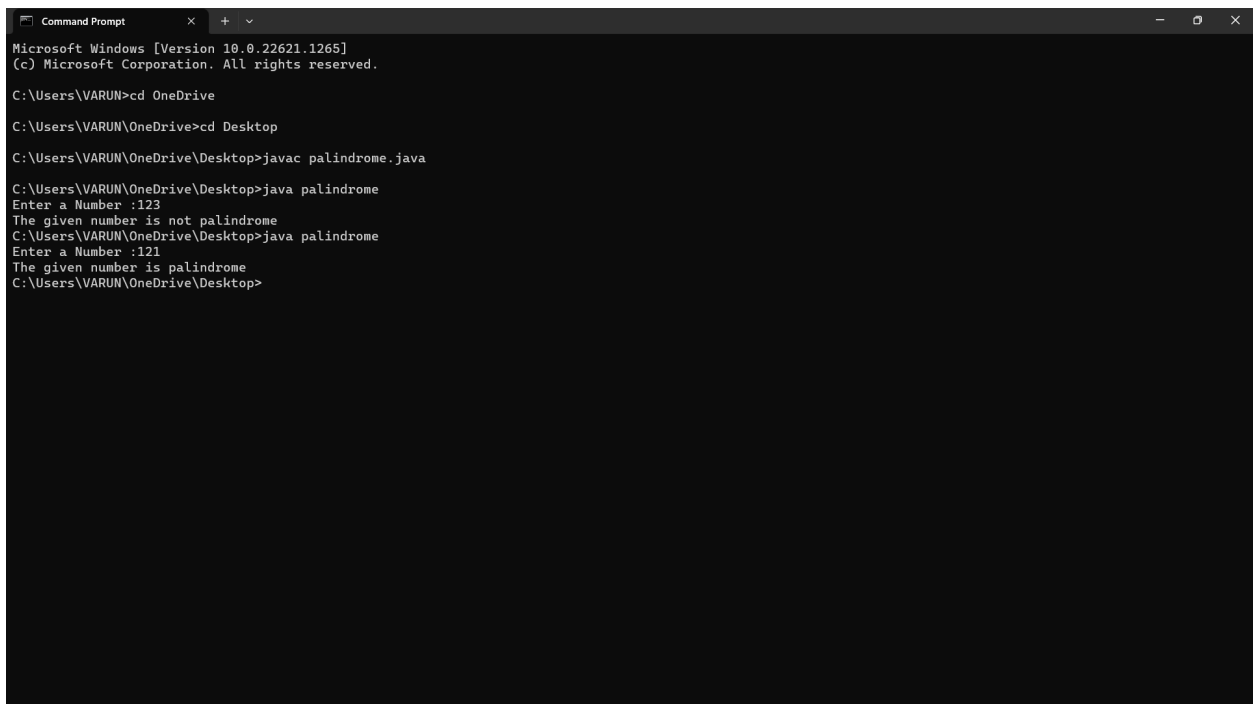
C:\Users\VARUN>cd OneDrive
C:\Users\VARUN\OneDrive>cd Desktop
C:\Users\VARUN\OneDrive\Desktop>javac squareroot.java
C:\Users\VARUN\OneDrive\Desktop>
C:\Users\VARUN\OneDrive\Desktop>java squareroot
Enter a number: 4
The square root of 4 is:2
C:\Users\VARUN\OneDrive\Desktop>
```

2.code:

```
import java.io.*;
import java.util.*;
class palindrome
{
    public static void main(String arg[])
    {
        String s,b="";
        char d;
        Scanner c=new Scanner(System.in);
        System.out.print("Enter a Number :");
        s=c.nextLine();
        for(int i=0;i<s.length();i++)
        {
            d=s.charAt(i);
            b=d+b;
        }
        if(s.equals(b))
```

```
        {  
            System.out.print("The given number is  
palindrome");  
        }  
        else  
        {  
            System.out.print("The given number is not  
palindrome");  
        }  
    }  
}
```

Output:



```
Command Prompt  
Microsoft Windows [Version 10.0.22621.1265]  
(c) Microsoft Corporation. All rights reserved.  
  
C:\Users\VARUN>cd OneDrive  
  
C:\Users\VARUN\OneDrive>cd Desktop  
  
C:\Users\VARUN\OneDrive\Desktop>javac palindrome.java  
  
C:\Users\VARUN\OneDrive\Desktop>java palindrome  
Enter a Number :123  
The given number is not palindrome  
C:\Users\VARUN\OneDrive\Desktop>java palindrome  
Enter a Number :121  
The given number is palindrome  
C:\Users\VARUN\OneDrive\Desktop>
```