

# CSA0976 Java Programming

Name: K. Bala Sri Saran

Reg No: 192124088

## 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:

```

C:\Users\saran\OneDrive\Desktop\Java>javac squareroot.java

C:\Users\saran\OneDrive\Desktop\Java>java squareroot
Enter a number: 4
The square root of 4 is:2

C:\Users\saran\OneDrive\Desktop\Java>

```

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:

```
C:\Users\saran\OneDrive\Desktop\Java>javac palindrome.java

C:\Users\saran\OneDrive\Desktop\Java>java palindrome
Enter a Number :121
The given number is palindrome
C:\Users\saran\OneDrive\Desktop\Java>java palindrome
Enter a Number :-121
The given number is not palindrome
C:\Users\saran\OneDrive\Desktop\Java>java palindrome
Enter a Number :10
The given number is not palindrome
C:\Users\saran\OneDrive\Desktop\Java>
```