

# CSA0976 Java Programming

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## 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\91956\OneDrive\Desktop>javac squareroot.java

C:\Users\91956\OneDrive\Desktop>java squareroot
Enter a number: 16
The square root of 16 is:4

```

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\91956\OneDrive\Desktop>javac palindrome.java  
  
C:\Users\91956\OneDrive\Desktop>java palindrome  
Enter a Number :121  
The given number is palindrome  
C:\Users\91956\OneDrive\Desktop>java palindrome  
Enter a Number :-121  
The given number is not palindrome
```