CSA0976 Java Programming

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Assignment 1

1.Code:

```java
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;
```

```java
            sqrtroot=(t+(num/t))/2;

        }

        while((t-sqrtroot)!= 0);

        return sqrtroot;

    }

}
```

Output:

2.Code:

```java
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;
```

```java
        }
        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
```