```java
package project;
//To find Words are anagran or not
import java.util.Arrays;

public class AnagronNumber {
  public static void main(String[] args) {
    String s1="silent";
    String s2= "listen";
    char []ch1=s1.toLowerCase().toCharArray();
    char []ch2=s2.toLowerCase().toCharArray();


    Arrays.sort(ch1);
    Arrays.sort(ch2);
    boolean res=Arrays.equals( ch1 , ch2);
    if(res==true) {
        System.out.println("It is a Anagran");
    }else {
        System.out.println("not a anagran");
    }
```

Problems Javadoc Declaration Console ×

<terminated> AnagronNumber [Java Application] C:\Program Files\Java\jdk-17\bin\javaw.exe (May 31, 2024, 5:

```
It is a Anagran
```

```java
package project;
// To reverse a Number
public class ReverseNumber {
    public static void main(String[] args) {
        int num=123;
        int rev=0;
        while(num>0) {
            int dig=num%10;
            rev=rev*10+dig;
            num=num/10;
        }System.out.println(rev);
    }

}

```

Problems Javadoc Declaration Console ×

<terminated> ReverseNumber [Java Application] C:\Program Files\Java\jdk-17\bin\javaw.exe (May 31, 2(

```
321
```

```java
package project;
// To find a factorial of a Number
public class FactorialNumber {
    public static void main(String[] args) {
        int num=4;
        int fact=1;
        for(int i=1;i<=num;i++) {
            fact=fact*i;
        }System.out.println(fact);
    }

}

```

Problems Javadoc Declaration Console ×

<terminated> FactorialNumber [Java Application] C:\Program Files\Java\jdk-17\bin\javaw.exe (May 31

24

```java
package project;
// To FindFactors of a Number
public class FactorsNumber {
    public static void main(String[] args) {
        int num=6;
        for(int i=1;i<=num/2;i++) {
            if(num%i==0) {
                System.out.println(i);
            }
        }
    }

}

```

Problems Javadoc Declaration Console ×

<terminated> FactorsNumber [Java Application] C:\Program Files\Java\jdk-17\bin\javaw.exe (May 31, 202

```
1
2
3
```

```java
package project;
// To find a Square root of a Number
public class SquareNumber {
    public static void main(String[] args) {
        int num=16;
        for(int i=1;i<=num;i++) {
            if(i*i==num) {
                System.out.println(i);
            }
        }

    }

}

```

Problems Javadoc Declaration Console ×

<terminated> SquareNumber [Java Application] C:\Program Files\Java\jdk-17\bin\javaw.exe (May 31, 2024,

```
4
```

```java
package project;
//To print 1 to 50 without using A loops
public class Print1to100 {
    public static void main(String[] args) {
        int num=1;
        while(num>0) {
            if(num<=50) {
                System.out.println(num);
                num++;
            }

        }
    }
```

Problems | Javadoc | Declaration | Console ×

Print1to100 [Java Application] C:\Program Files\Java\jdk-17\bin\javaw.exe (May 31, 2024, 5:31:31 PM) [pi

```
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
```

```java
package project;
// To find a Cube root a given Number
public class CubeRoot {
    public static void main(String[] args) {
        int num=27;
        for(int i=1;i<=num;i++) {
            if(i*i*i==num) {
                System.out.println(i);
            }
        }

    }


}
```

Problems @ Javadoc Declaration Console ×

<terminated> CubeRoot [Java Application] C:\Program Files\Java\jdk-17\bin\javaw.exe (May 31, 2024, 5:32:49

```
3
```

```java
package project;
// to check whether number is spy Number or not
public class SpyNumber {
    public static void main(String[] args) {
        int num=6;
        int sum=0;
        int product=1;
        int dig=0;
        while(num>0) {
            dig=num%10;
            sum=sum+dig;
            product=product*dig;
            num=num/10;
        }if(sum==product) {
            System.out.println("spy Number");
        }else {
            System.out.println("not a spy Number");
        }
    }
```

Problems Javadoc Declaration Console ×

<terminated> SpyNumber [Java Application] C:\Program Files\Java\jdk-17\bin\javaw.exe (May 31, 2

```
spy Number
```

```java
package project;
// To check Neon Number or Not
public class NeonNumber {
    public static void main(String[] args) {
        int num=9;
        int dig=0;
        int sum=0;
        int sq=num*num;
        while(sq>0) {
            dig=sq%10;
            sum=sum+dig;
            sq=sq/10;
        }if(sum==num) {
            System.out.println("Neon Number");
        }else {
            System.out.println("not a Neon Number");
        }
    }

}
```

Problems @ Javadoc Declaration Console ×

<terminated> NeonNumber [Java Application] C:\Program Files\Java\jdk-17\bin\javaw.exe (May 31, 2024,

```
Neon Number
```

```java
package project;
// To check Number is Strong Number or not
public class StrongNumber {
    public static void main(String[] args) {
        int num=145;
        int num1=num;
        int sum=0;
        int dig=0;
        while(num>0) {
            dig=num%10;
            int fact=1;
            for(int i=1;i<=dig;i++) {
                fact=fact*i;

            }sum=sum+fact;
            num=num/10;
        }if(sum==num1) {
            System.out.println("Strong Number");
        }else {
            System.out.println("not a Strong Number");
        }
    }
```

Problems @ Javadoc Declaration Console ×

<terminated> StrongNumber [Java Application] C:\Program Files\Java\jdk-17\bin\javaw.exe (May 31, 2024, 5:44:00 PM

```
Strong Number
```

```java
package project;
// To Check whether number is ArmStrong Number or Not
public class ArmStrongNumber {
    public static void main(String[] args) {
    int num=153;
    int num1=num;
    int num2=num;
    int count=0;
    int sum=0;
    while(num>0) {
        count++;
        num=num/10;
    }while(num1>0) {
        int dig=num1%10;
        int fact=1;
        for(int i=1;i<=count;i++) {
            fact=fact*dig;
        }sum=sum+fact;
        num1=num1/10;
    }if(sum==num2) {
        System.out.println("ArmStrong Number");
    }else {
        System.out.println("not a ArmStrong Number");
    }

    }
```

Problems | Javadoc | Declaration | Console ×

<terminated> ArmStrongNumber [Java Application] C:\Program Files\Java\jdk-17\bin\javaw.exe (May 3

```
ArmStrong Number
```