```
I package project;
 2 //To find Words are anagran or not
  3 import java.util.Arrays;
  5 public class AnagronNumber {
      public static void main(String[] args) {
        String s1="silent";
        String s2= "listen";
 8
        char []ch1=s1.toLowerCase().toCharArray();
        char []ch2=s2.toLowerCase().toCharArray();
10
11
12
13
        Arrays.sort(ch1);
        Arrays.sort(ch2);
14
15
        boolean res=Arrays.equals( ch1 , ch2);
        if(res==true) {
16
17
             System.out.println("It is a Anagran");
        }else {
18
             System.out.println("not a anagran");
19
20
Problems @ Javadoc 🚨 Declaration 📮 Console ×
<terminated> AnagronNumber [Java Application] C:\Program Files\Java\jdk-17\bin\javaw.exe (May 31, 2024, 5:1
It is a Anagran
```

```
1 package project;
  2 // To reverse a Number
  3 public class ReverseNumber {
         public static void main(String[] args) {
  49
  5
              int num=123;
  6
              int rev=0;
              while(num>0) {
 8
                   int dig=num%10;
 9
                   rev=rev*10+dig;
10
                   num=num/10;
              }System.out.println(rev);
11
12
13
14 }
15
Problems @ Javadoc 🖳 Declaration 🖃 Console ×
<terminated> ReverseNumber [Java Application] C:\Program Files\Java\jdk-17\bin\javaw.exe (May 31, 20)
321
```

```
1 package project;
  2 // To find a factorial of a Number
  3 public class FactorialNumber {
 49
         public static void main(String[] args) {
              int num=4;
  5
              int fact=1;
  6
              for(int i=1;i<=num;i++) {</pre>
 8
                   fact=fact*i;
 9
              }System.out.println(fact);
10
11
12 }
13
Problems @ Javadoc Declaration Console X
<terminated> FactorialNumber [Java Application] C:\Program Files\Java\jdk-17\bin\javaw.exe (May 31
```

```
1 package project;
    // To FindFactors of a Number
  3 public class FactorsNumber {
         public static void main(String[] args) {
  49
              int num=6;
              for(int i=1;i<=num/2;i++) {</pre>
  6
                   if(num%i==0) {
                        System.out.println(i);
  8
  9
10
11
12
13 }
14
🔐 Problems @ Javadoc 🚇 Declaration 📮 Console 🗵
<terminated> FactorsNumber [Java Application] C:\Program Files\Java\jdk-17\bin\javaw.exe (May 31, 202
```

```
1 package project;
  2 // To find a Square root of a Number
  3 public class SquareNumber {
         public static void main(String[] args) {
  4⊖
  5
              int num=16;
              for(int i=1;i<=num;i++) {</pre>
  6
                   if(i*i==num) {
                        System.out.println(i);
  8
10
11
12
13
14 }
15
🔐 Problems @ Javadoc 🚇 Declaration 📮 Console 🗵
<terminated> SquareNumber [Java Application] C:\Program Files\Java\jdk-17\bin\javaw.exe (May 31, 2024, 5
4
```

```
Print1to100 [Java Application] C:\Program Files\Java\jdk-17\bin\javaw.exe (May 31, 2024, 5:31:31 PM) [pi
                                                                                                                                                                                                              args)
                                                                 loops
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             System.out.println(num);
                                                                                                                                                                                                              public static void main(String[]
                                                                       V

    Problems @ Javadoc 
    Declaration 
    Console 
    Declaration 
    Declaratio
                                                              using
                                                              50 without
                                                                                                                            public class Print1to100
                                                                                                                                                                                                                                                                                                                                                                                                                         if(num<=50)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        num++;
                                                                                                                                                                                                                                                                                                                                                    while(num>0)
                                                                                                                                                                                                                                                                               int num=1;
package project;
                                                                       40
                                                              //To print 1
                                                                                                                                                                                                          9
                                                                                                                                                                                                                                                                            40
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         33
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               39
```

47

49 50

42

41

44 45 46

```
1 package project;
    // To find a Cube root a given Number
    public class CubeRoot {
         public static void main(String[] args) {
  40
  5
              int num=27;
              for(int i=1;i<=num;i++) {</pre>
  6
                   if(i*i*i==num) {
  8
                        System.out.println(i);
10
11
12
13
14
15 }
 16
🔐 Problems @ Javadoc 🚇 Declaration 📮 Console 🗵
<terminated> CubeRoot [Java Application] C:\Program Files\Java\jdk-17\bin\javaw.exe (May 31, 2024, 5:32:49
```

3

```
- ractorialivum...
                              i actorsivumb...
                                             □ Squarervurribe...
  1 package project;
  2 // to check whether number is spy Number or not
  3 public class SpyNumber {
        public static void main(String[] args) {
  49
  5
             int num=6;
             int sum=0;
  6
             int product=1;
  7
             int dig=0;
 8
             while(num>0) {
                  dig=num%10;
10
                  sum=sum+dig;
11
                  product=product*dig;
12
13
                  num=num/10;
             }if(sum==product) {
14
                  System.out.println("spy Number");
15
             }else {
16
                  System.out.println("not a spy Number");
17
18
19
 20
Problems @ Javadoc Declaration Console X
<terminated> SpyNumber [Java Application] C:\Program Files\Java\jdk-17\bin\javaw.exe (May 31, 2
spy Number
```

```
1 package project;
  2 // To check Neon Number or Not
  3 public class NeonNumber {
        public static void main(String[] args) {
  40
  5
             int num=9;
             int dig=0;
  6
             int sum=0;
             int sq=num*num;
  8
             while(sq>0) {
  9
                  dig=sq%10;
10
                  sum=sum+dig;
11
                  sq=sq/10;
12
             }if(sum==num) {
13
                  System.out.println("Neon Number");
14
             }else {
15
                  System.out.println("not a Neon Number");
16
             }
17
18
19
20 1
🔐 Problems @ Javadoc 🚇 Declaration 📮 Console 🗵
<terminated> NeonNumber [Java Application] C:\Program Files\Java\jdk-17\bin\javaw.exe (May 31, 2024,
Neon Number
```

- Squarervurribe...

- Tactorsivarium...

```
1 package project;
  2 // To check Number is Strong Number or not
  3 public class StrongNumber {
        public static void main(String[] args) {
  5
            int num=145;
  6
            int num1=num;
 7
            int sum=0;
 8
            int dig=0;
 9
            while(num>0) {
10
                 dig=num%10;
11
                 int fact=1;
                 for(int i=1;i<=dig;i++) {</pre>
12
13
                     fact=fact*i;
14
15
                 }sum=sum+fact;
16
                 num=num/10;
17
            }if(sum==num1) {
18
                 System.out.println("Strong Number");
19
            }else {
                 System.out.println("not a Strong Number");
20
21
             }
        }
22
23
🔐 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

```
package project;
  2 // To Check whether number is ArmStrong Number or Not
  3 public class ArmStrongNumber {
  40
        public static void main(String[] args) {
  5
        int num=153;
        int num1=num;
        int num2=num;
 8
        int count=0;
 9
        int sum=0;
10
        while(num>0) {
11
            count++;
12
            num=num/10;
13
        }while(num1>0) {
14
             int dig=num1%10;
15
            int fact=1;
16
            for(int i=1;i<=count;i++) {</pre>
17
                 fact=fact*dig;
18
             }sum=sum+fact;
19
            num1=num1/10;
20
        }if(sum==num2) {
21
            System.out.println("ArmStrong Number");
22
        }else {
23
            System.out.println("not a ArmStrong Number");
24
25
26
        }
27
Problems @ Javadoc Declaration Console X
<terminated> ArmStrongNumber [Java Application] C:\Program Files\Java\jdk-17\bin\javaw.exe (May 3)
ArmStrong Number
```