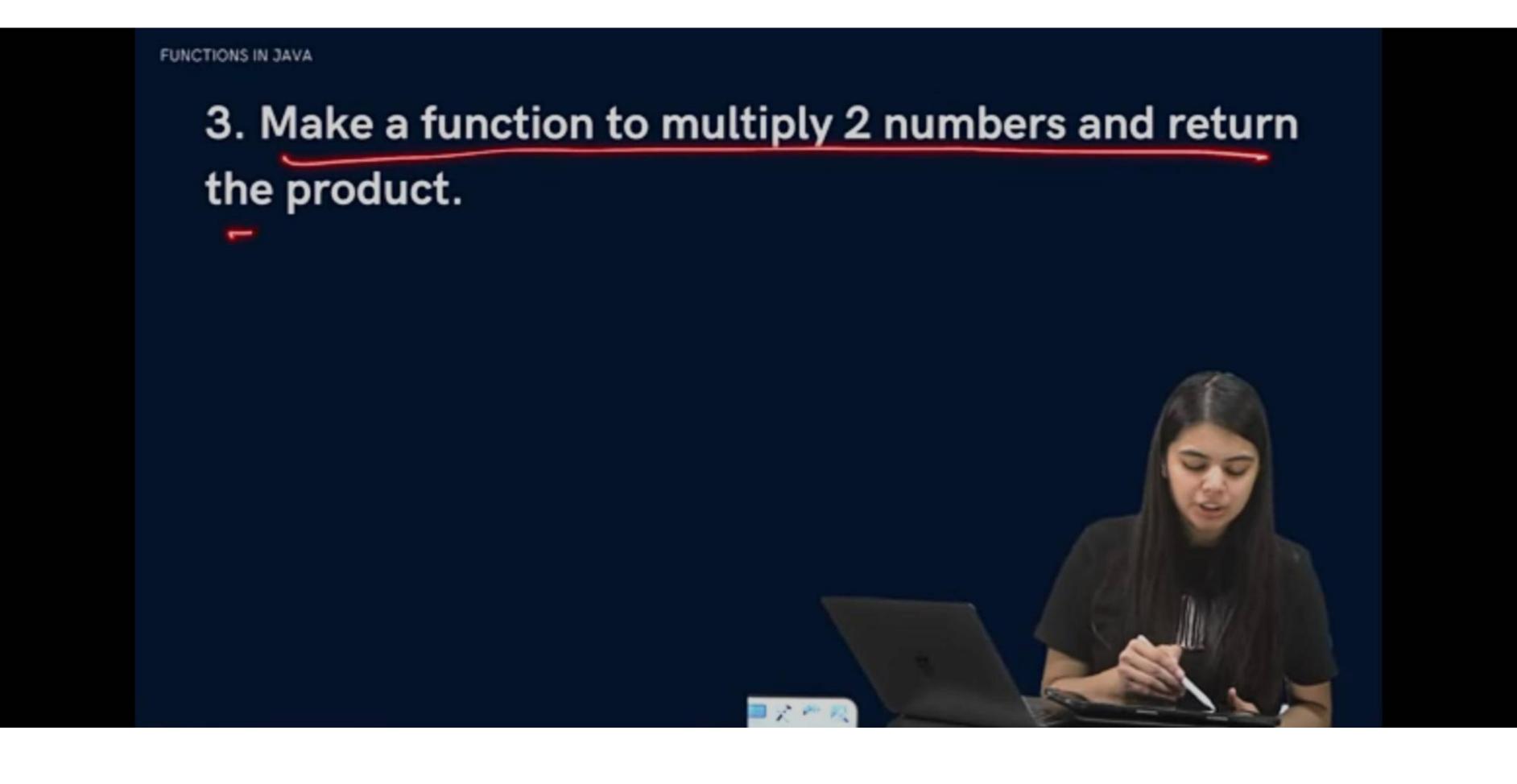


```
Functions.java 2 X
                                                                                                                                    D ~ 1 ...
      Users > shradhakhapra > • Functions.java > 😘 Functions > 😭 main(String[])
              import java util. ;
              public class Functions {
                   public static void printMyName(String name) {
                       System.out.println(name);
                       return;
                   Run | Debug
                   public static void main(String args[]) {
                       Scanner sc = new Scanner(System.in);
String name = sc.next();
         10
A
         11
                       printMyName(name); I
         12
         13
14
15
th
8
                                                                        ■ 犬 作 双
```

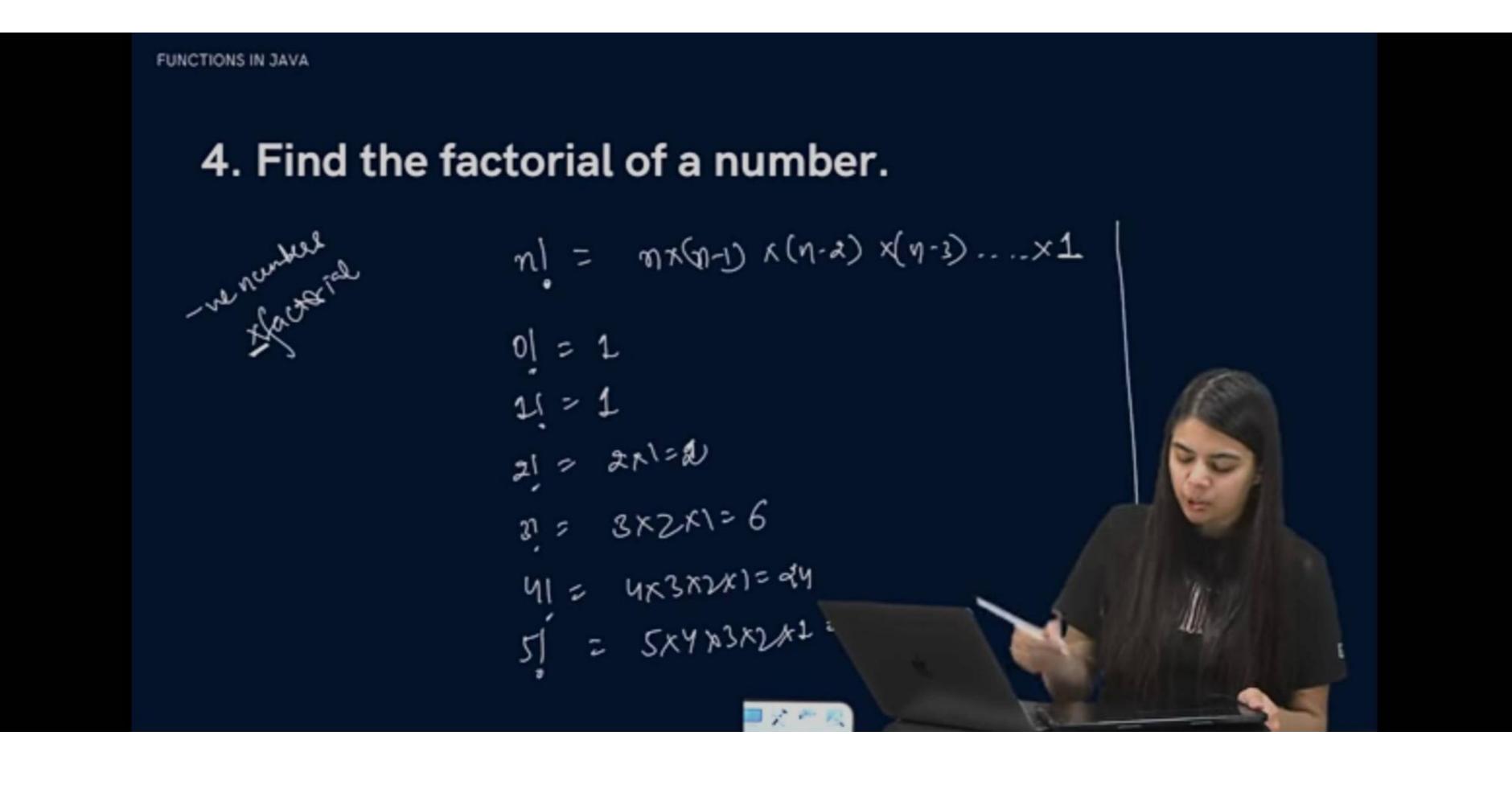
```
Functions.java 2 X
                                                                                                                               ▷ ~ □ …
       Users > shradhakhapra > • Functions.java > • Functions > • main(String[])
              import java util ::
              public class Functions {
                  public static void printMyName(String name) {
                       System.out.println(name);
                       return;
                  Run | Debug
                  public static void main(String args[]) {
昭
                       Scanner sc = new Scanner(System.in);
                       String name = sc.next();
         10
Д
         11
         12
                       printMyName(name);//call kiya function ko
         13
ılı
         14
         15
                                                                                                    会 Java Process
                                                                                                                                     ^ X
        PROBLEMS (2)
                       OUTPUT
                                 TERMINAL
                                            DEBUG CONSOLE
        shradhakhapra@Shradhas-MacBook-Air ~ % /usr/bin/env /Library/Java/JavaVirtualMachines/jdk-16.0.1.
                                                                                                                                      nab
        le-preview -XX:+ShowCodeDetailsInExceptionMessages -Dfile.encoding=UTF-8 -cp /private/var/folders/ww
                                                                                                                                       1gn
        /T/vscodesws_4600e/jdt_ws/jdt.ls-java-project/bin Functions
        tony
        tony
Shradhakhapra@Shradhas-MacBook-Air ~ %
(8)
```

2. Make a function to add 2 numbers and return th sum.

```
Users > snradnaknapra > 😻 Functions.java > 🐯 Functions > 🕥 calculateSum(int, int)
               import java.util.;
               public class Functions {
                   public static int calculateSum(int a, int b) {
                       int sum = a + b;
                       return sum;
                   Run | Debug
                   public static void main(String args[]) {
                       Scanner sc = new Scanner(System.in);
         10
                       int a = sc.nextInt();
 A
                      int b = sc.nextInt();
         12
         13
                       int sum = calculateSum(a, b);
th
         14
                      System.out.println("Sum of 2 numbers is : "+ sum);
         15
         16
         17
8
                                                                   ■ 大产股
```



```
import java.util.*;
             public class Functions {
                 // public static int calculateSum(int a, int b) {
                11
                       return sum;
                 11 }
                 public static int calculateProduct(int a, int b) {
昭
        10
                    return a * b;
        11
Д
                 Run | Debug
                 public static void main(String args[]) {
        12
                    Scanner sc = new Scanner(System.in);
        13
th
                     int a = sc.nextInt();
        14
        15
                     int b = sc.nextInt();
        16
        17
                    System.out.println("Product of 2 numbers is : "+ calculateProduct(a, b));
        18
        19
        20
                                                                                                                       P @
8
                                                                      0
                                                                                                                        Cancel
                                                                      Source:
                                                               ■文作品
```



```
Users > snradnaknapra > 😻 Functions.java > 🐯 Functions > 🗘 main(String[])
                                                                                                                         __ Bobug Java
                  11
                         return sum;
                  // public static int calculateProduct(int a, int b) {
                       return a * b;
        10
                  11
                  11 }
        11
₽
        12
        13
                  public static void printFactorial(int n) {
昢
        14
                     //loop
        15
                      int factorial = 1;
Д
        17
18
                      for(int i=n; i>=1; i--) {
                          factorial = factorial * i;
        19
th
        20
        21
                      System.out.println(factorial);
        22
                      return;
        23
                 Run | Debug
        24
                 public static void main(String args[]) {
        25
                      Scanner sc = new Scanner(System.in);
        26
                      int n = sc.nextInt();
        27
        28 29
                     printFactorial(n);
8
        31
                                                                 ■父产股
```

```
Users > snradnaknapra > 😻 Functions.java > 😝 Functions > 🗇 printFactorial(int)
                 11
                         return sum;
                 // }
So
                 // public static int calculateProduct(int a, int b) {
                 // return a * b;
        10
                 11 }
        11
$
        12
        13
                 public static void printFactorial(int n) {
留
                     //loop
        14
        15
                      if(n < 0) {
                         System.out.println("Invalid Number");
A
        17
18
                         return;
        19
                      int factorial = 1;
th
        20
                     for(int i=n; i>=1; i--) {
        21
        22
                         factorial = factorial * i;
        23
        24
        25
                     System.out.println(factorial);
        26
                     return;
        27
                 Run | Debug
                 public static void main(String args[]) {
        28
        29
                     Scanner sc = new Scanner(System.in);
        30
                     int n = sc.nextInt();
        31
        32
                     printFactorial(n);
        33
34
                                                                 ■文作品
```