

trim.java - Visual Studio Code

```
1 public class trim{
2
3     public static void main(String[] args)
4     {
5         String str = " Java Exercises ";
6
7
8         String new_str = str.trim();
9
10
11
12     System.out.println("Original String: " + str);
13     System.out.println("New String: " + new_str);
14 }
15 }
```

Run | Debug

PROBLEMS 24 OUTPUT DEBUG CONSOLE TERMINAL

cd "c:\Users\sadique kausar\Documents\192111479\" ; if (\$?) { javac trim.java } ; if (\$?) { java trim }

Original String: Java Exercises  
New String: Java Exercises

PS C:\Users\sadique kausar\Documents\192111479>

praneeth.java - demoproject - Visual Studio Code

praneeth.java 1 X

C:\> Users > sadique kausar > Documents > 192111479 > J praneeth.java > praneeth > printStars(int)

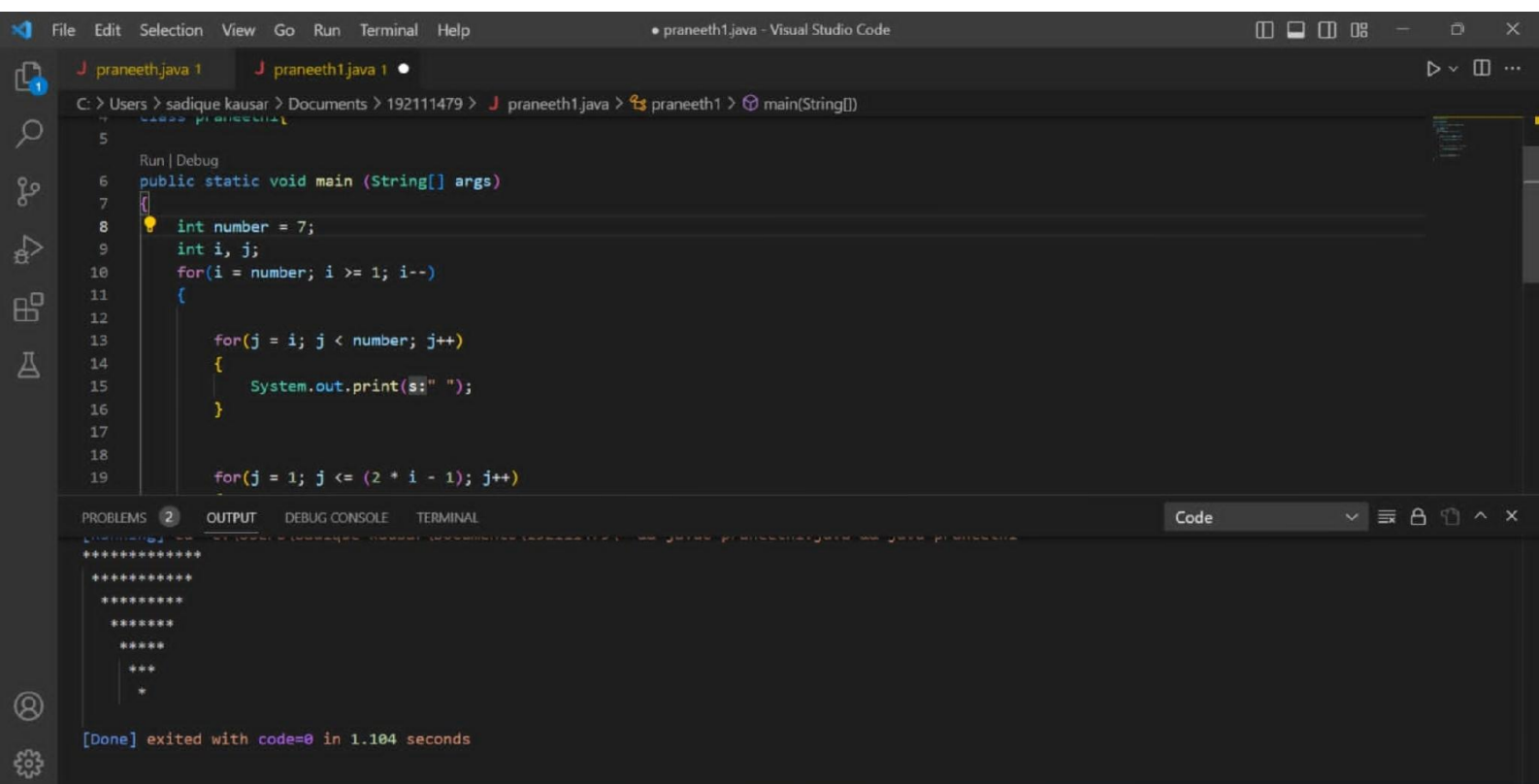
```
1  import java.io.*;
2
3
4  public class praneeth
5  {
6
7      public static void printStars(int n)
8      {
9          int i, j;
10
11
12
13          for(i=0; i<n; i++)
14              for(j=0; j<n; j++)
15              {
16                  System.out.print(" ");
17              }
18          System.out.println();
19      }
20  }
```

PROBLEMS 1 OUTPUT DEBUG CONSOLE TERMINAL

Code

```
[Running] cd "C:\Users\sadique kausar\Documents\192111479\" && javac praneeth.java && java praneeth
*
* *
* * *
* * * *
* * * * *

[Done] exited with code=0 in 1.1 seconds
```



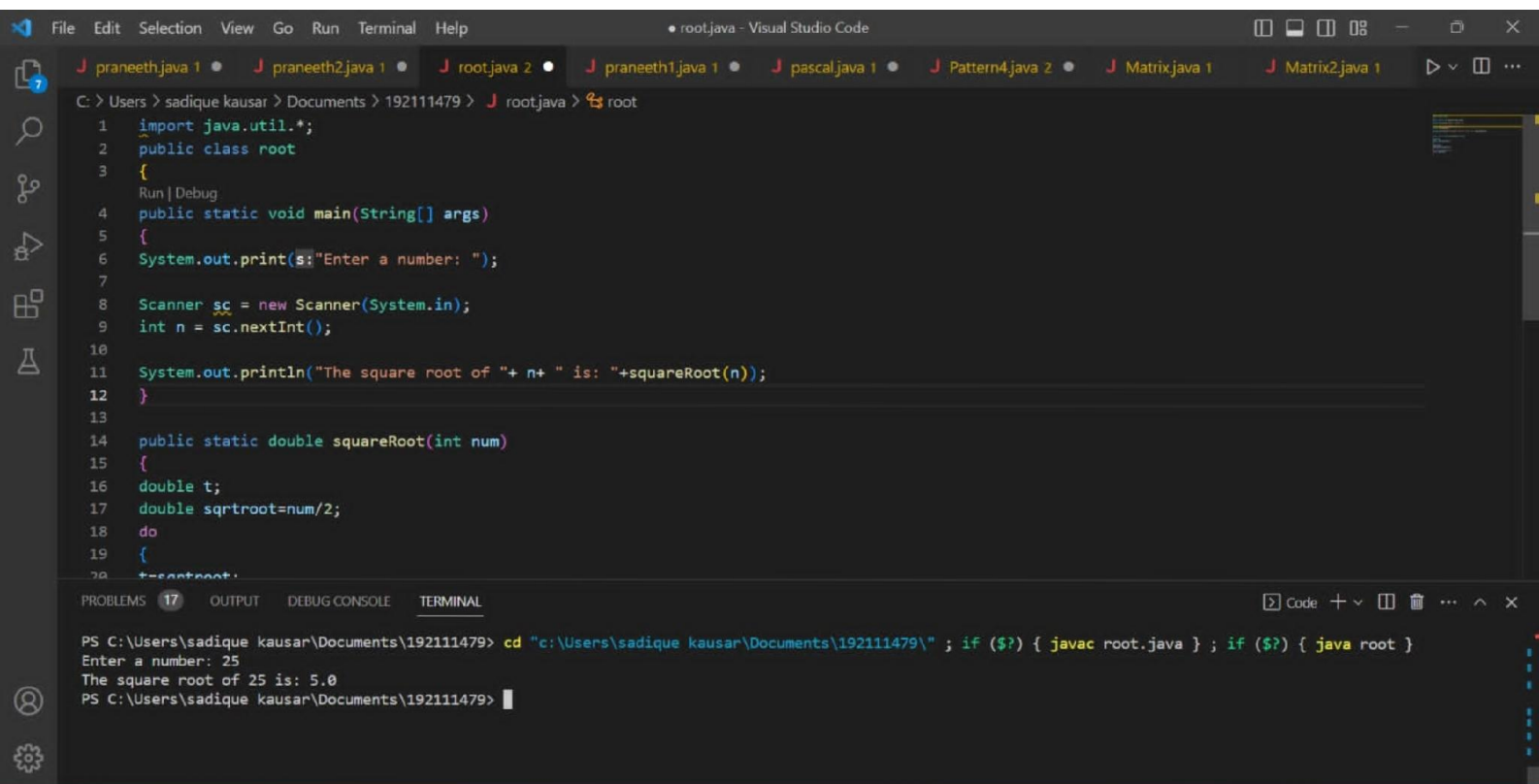
praneeth1.java 1 • praneeth1.java 1

C:\Users\sadique kausar\Documents> 192111479 > J praneeth1.java > praneeth1 > main(String[])

```
5
6
7
8 int number = 7;
9 int i, j;
10 for(i = number; i >= 1; i--)
11 {
12     for(j = i; j < number; j++)
13     {
14         System.out.print(" ");
15     }
16
17     for(j = 1; j <= (2 * i - 1); j++)
18     {
19         System.out.print("* ");
20     }
21     System.out.println();
22 }
```

\*\*\*\*\*  
\*\*\*\*\*  
\*\*\*\*\*  
\*\*\*\*\*  
\*\*\*\*\*  
\*\*\*\*\*  
\*\*\*\*\*

[Done] exited with code=0 in 1.184 seconds



Visual Studio Code interface showing a Java program for calculating the square root of a number.

The code in `root.java` is as follows:

```
1 import java.util.*;
2 public class root
3 {
4     Run | Debug
5     public static void main(String[] args)
6     {
7         System.out.print(s:"Enter a number: ");
8
9         Scanner sc = new Scanner(System.in);
10        int n = sc.nextInt();
11
12        System.out.println("The square root of "+ n+ " is: "+squareRoot(n));
13    }
14
15    public static double squareRoot(int num)
16    {
17        double t;
18        double sqrtroot=num/2;
19        do
20        {
21            t=sqrtroot;
```

The terminal output shows the execution of the program:

```
PS C:\Users\sadique kausar\Documents\192111479> cd "c:\Users\sadique kausar\Documents\192111479\" ; if ($?) { javac root.java } ; if ($?) { java root }
Enter a number: 25
The square root of 25 is: 5.0
PS C:\Users\sadique kausar\Documents\192111479>
```

```
File Edit Selection View Go Run Terminal Help
Palindrome.java - Visual Studio Code

praneeth.java 1 • praneeth2.java 1 • root.java 2 • Palindrome.java 1 x praneeth1.java 1 • pascal.java 1 • Pattern4.java 2 • Matrix.java 1 ▶ ▾ □ ...

C: > Users > sadique kausar > Documents > 192111479 > Palindrome.java > Palindrome > main(String[])

1 class Palindrome{
2     Run | Debug
3     public static void main(String args[]){
4         int r,sum=0,temp;
5         int n=121;
6
7         temp=n;
8         while(n>0){
9             r=n%10;
10            sum=(sum*10)+r;
11            n=n/10;
12        }
13        if(temp==sum)
14            System.out.println(x:"palindrome number ");
15        else
16            System.out.println(x:"not palindrome");
17    }
18 }
```

PROBLEMS 18 OUTPUT DEBUG CONSOLE TERMINAL

```
}
palindrome number
PS C:\Users\sadique kausar\Documents\192111479> |
```

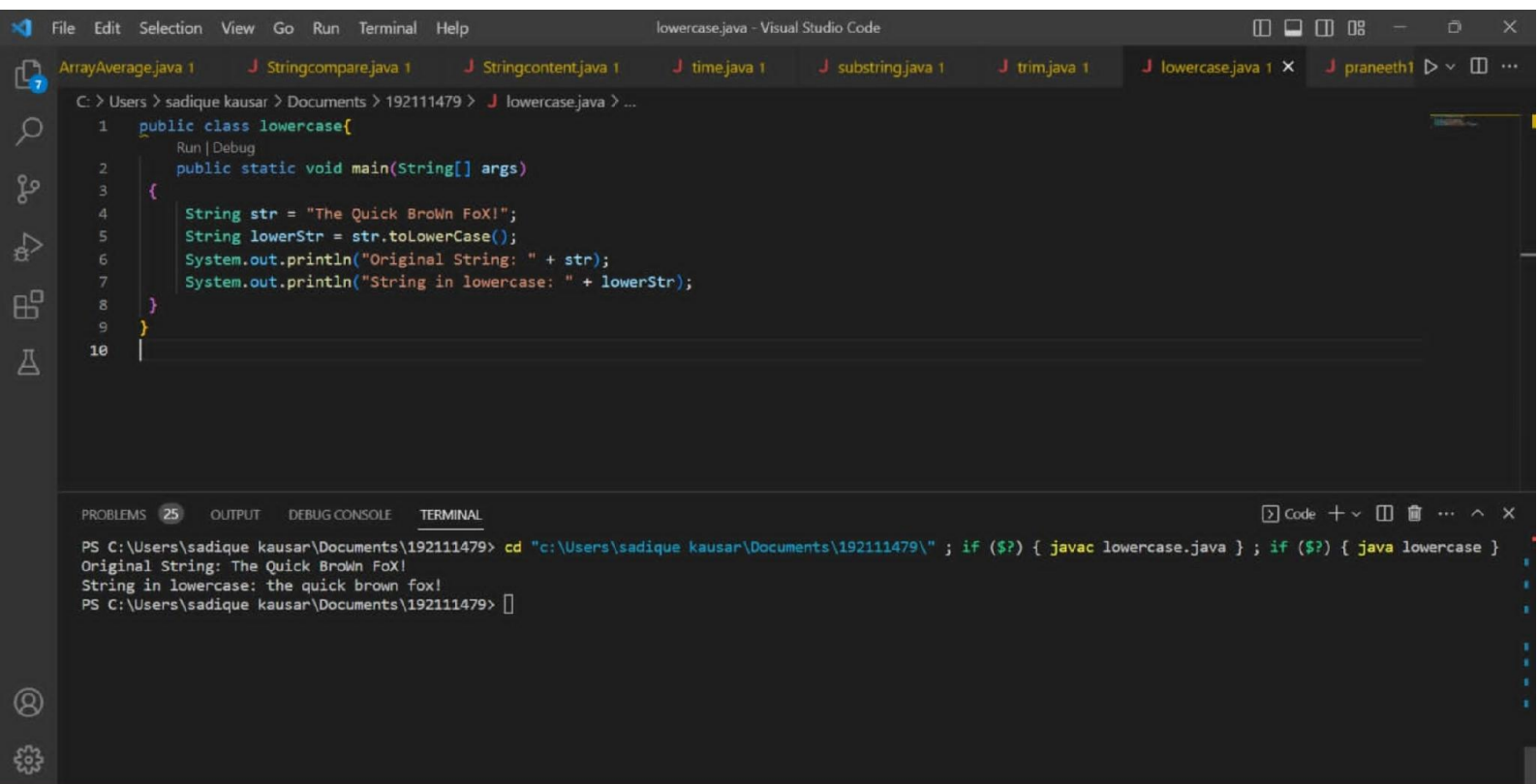
The image shows a Visual Studio Code editor window with the title "substring.java - Visual Studio Code". The editor displays a Java program in the file "substring.java". The code defines a public class "substring" with a main method that takes a String array "args". Inside the main method, a String "str" is assigned the value "The quick brown fox jumps over the lazy dog.". Then, a new String "new\_str" is created by calling "str.substring(beginIndex:10, endIndex:26);". Finally, the program prints "old = " + str and "new = " + new\_str using "System.out.println".

The bottom of the window shows the "TERMINAL" tab, which contains the output of the program. The terminal shows the command "cd 'c:\Users\sadique kausar\Documents\192111479\' ; if (\$?) { javac substring.java } ; if (\$?) { java substring }" being executed. The output is "old = The quick brown fox jumps over the lazy dog." and "new = brown fox jumps".

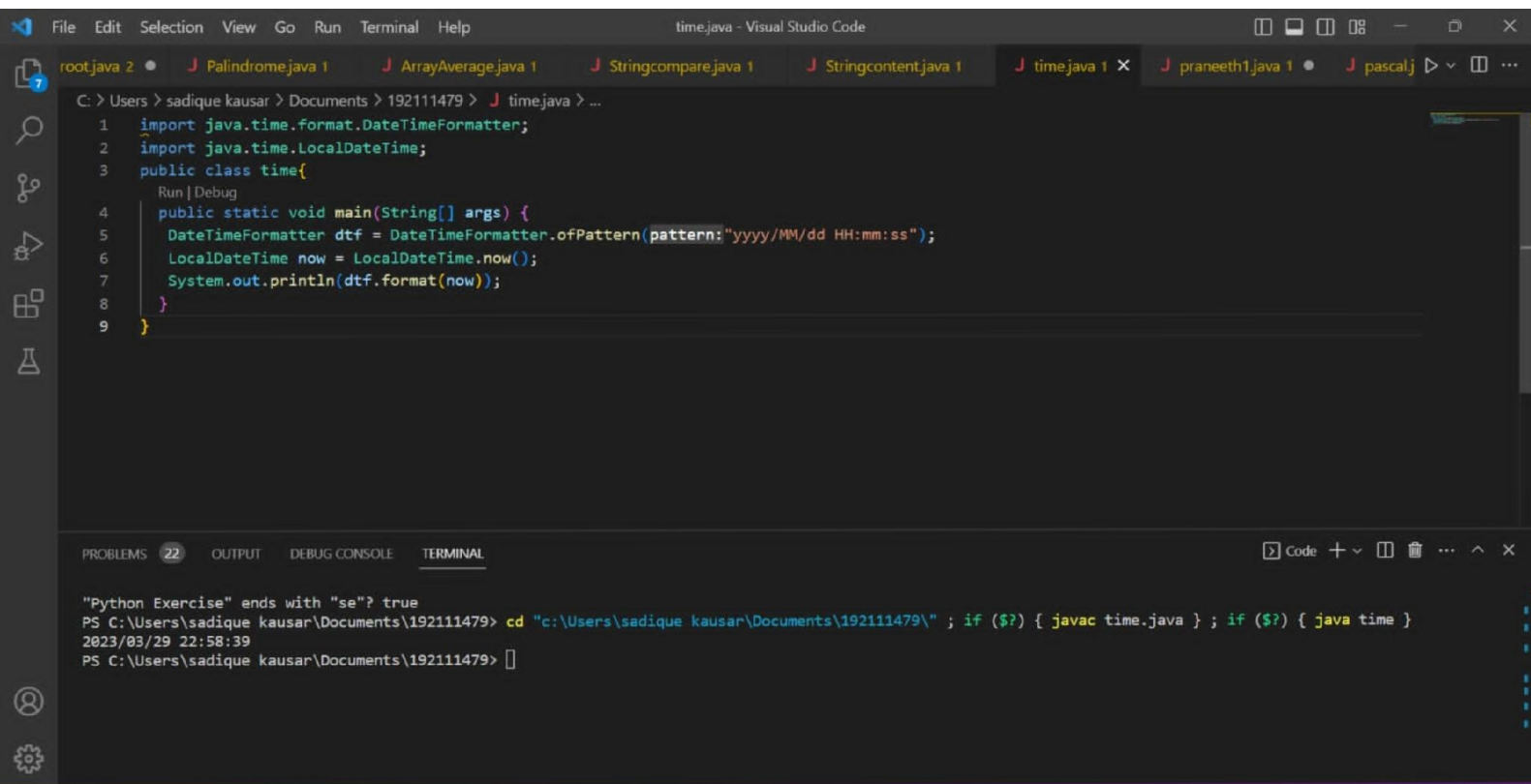
```
1 public class substring{
2
3     Run | Debug
4     public static void main(String[] args)
5     {
6         String str = "The quick brown fox jumps over the lazy dog.";
7
8         String new_str = str.substring(beginIndex:10, endIndex:26);
9
10
11         System.out.println("old = " + str);
12         System.out.println("new = " + new_str);
13     }
14 }
15
```

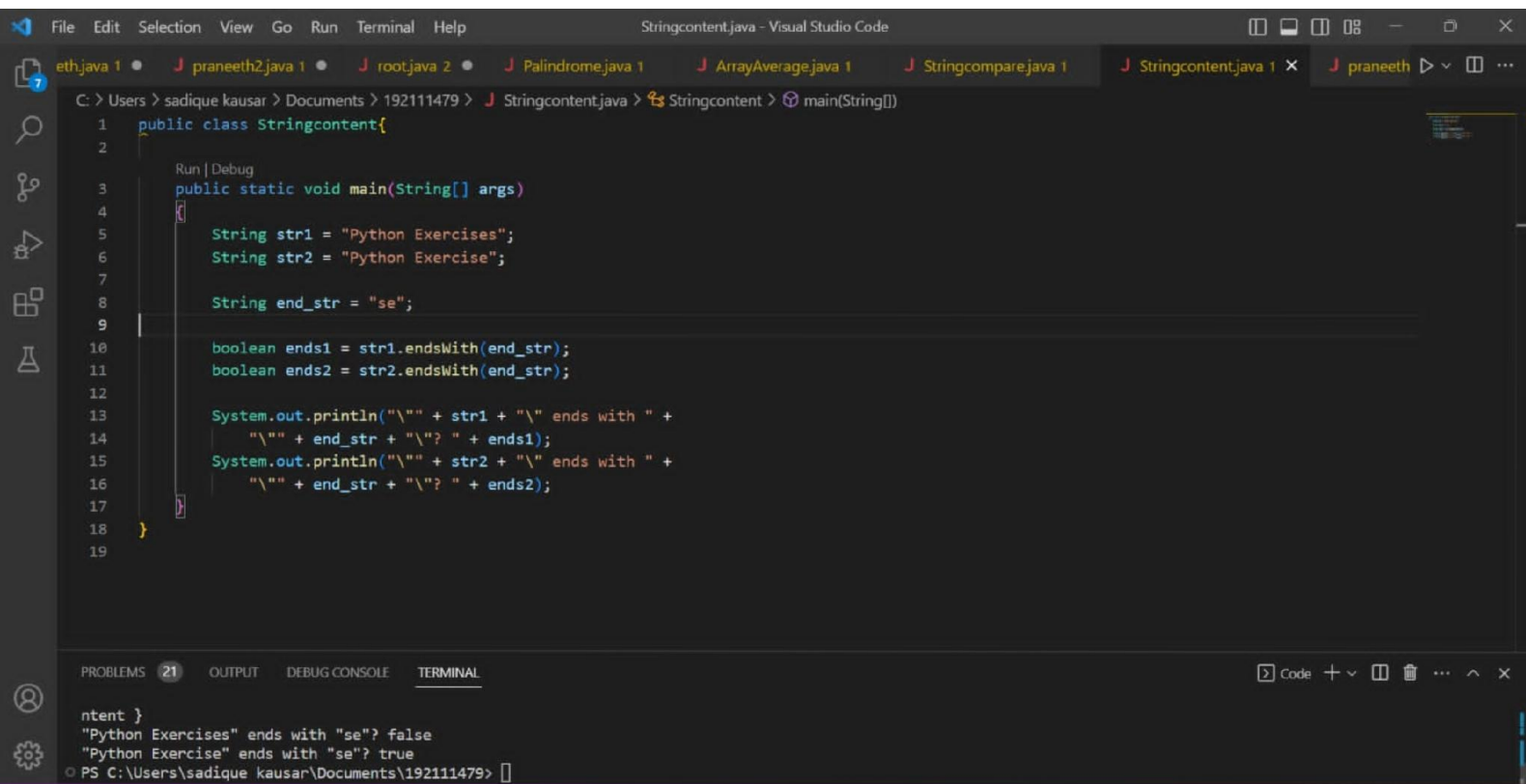
2023/03/29 22:58:39  
PS C:\Users\sadique kausar\Documents\192111479> cd "c:\Users\sadique kausar\Documents\192111479\" ; if (\$?) { javac substring.java } ; if (\$?) { java substring }  
old = The quick brown fox jumps over the lazy dog.  
new = brown fox jumps  
PS C:\Users\sadique kausar\Documents\192111479>

```
File Edit Selection View Go Run Terminal Help
ArrayAverage.java - Visual Studio Code
praneeth.java 1 • praneeth2.java 1 • root.java 2 • Palindrome.java 1 • ArrayAverage.java 1 x praneeth1.java 1 • pascal.java 1 • Pattern4.j
C: > Users > sadique kausar > Documents > 192111479 > ArrayAverage.java > ArrayAverage > main(String[])
1 public class ArrayAverage {
2
3     Run | Debug
4     public static void main(String[] args) {
5
6         int[] array = { 16,18,27,16,23,21,19 };
7
8         int length = array.length;
9
10        int sum = 0;
11
12        for (int i = 0; i < array.length; i++) {
13            sum += array[i];
14        }
15
16        double average = sum / length;
17
18        System.out.println("Average of array : "+average);
19    }
20
21    }
22
PROBLEMS 19 OUTPUT DEBUG CONSOLE TERMINAL
age }
Average of array : 20.0
PS C:\Users\sadique kausar\Documents\192111479>
```









```
File Edit Selection View Go Run Terminal Help Stringcontent.java - Visual Studio Code

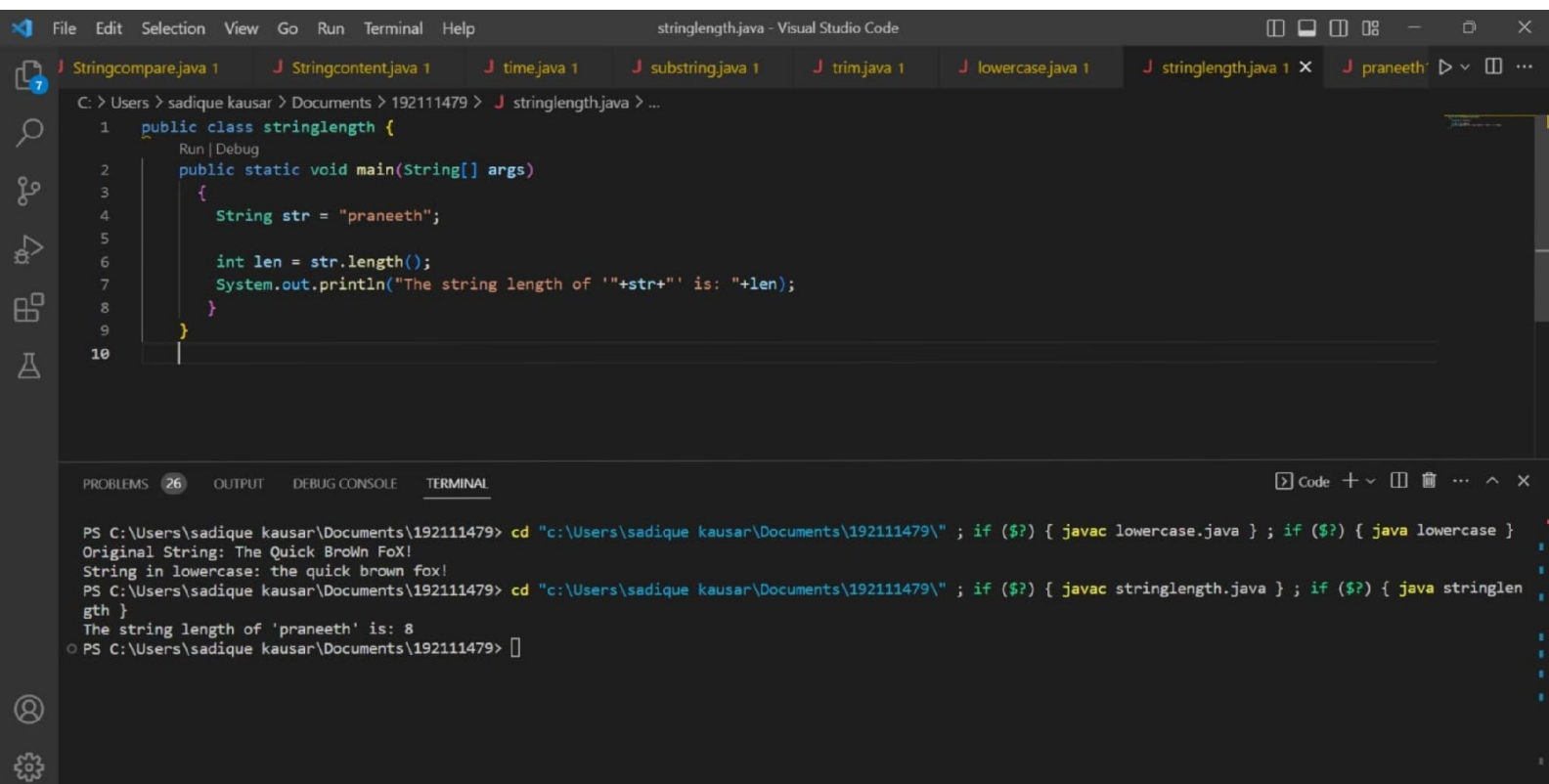
ethjava 1 • J praneeth2.java 1 • J root.java 2 • J Palindrome.java 1 • J ArrayAverage.java 1 • J Stringcompare.java 1 • J Stringcontent.java 1 x J praneeth ▾ ▢ ...

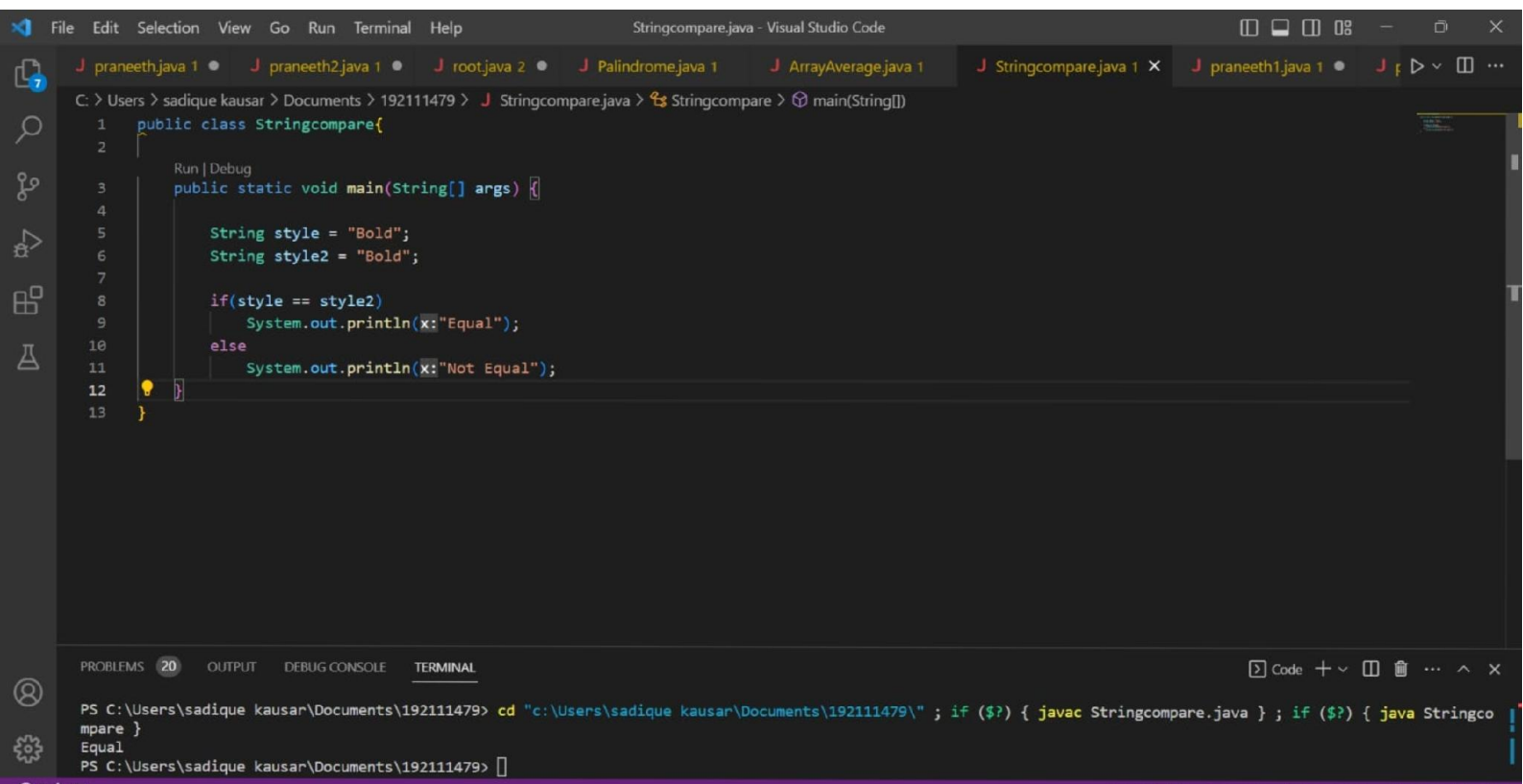
C: > Users > sadique kausar > Documents > 192111479 > J Stringcontent.java > Stringcontent > main(String[])

1 public class Stringcontent{
2
3     Run | Debug
4     public static void main(String[] args)
5     {
6         String str1 = "Python Exercises";
7         String str2 = "Python Exercise";
8
9         String end_str = "se";
10
11         boolean ends1 = str1.endsWith(end_str);
12         boolean ends2 = str2.endsWith(end_str);
13
14         System.out.println("\"" + str1 + "\" ends with " +
15             "\"" + end_str + "\"? " + ends1);
16         System.out.println("\"" + str2 + "\" ends with " +
17             "\"" + end_str + "\"? " + ends2);
18     }
19 }
```

PROBLEMS 21 OUTPUT DEBUG CONSOLE TERMINAL

```
ntent }
"Python Exercises" ends with "se"? false
"Python Exercise" ends with "se"? true
PS C:\Users\sadique kausar\Documents\192111479>
```





Stringcompare.java - Visual Studio Code

```
1 public class Stringcompare{
2
3     Run | Debug
4     public static void main(String[] args) {
5
6         String style = "Bold";
7         String style2 = "Bold";
8
9         if(style == style2)
10             System.out.println("Equal");
11         else
12             System.out.println("Not Equal");
13     }
```

PROBLEMS 20 OUTPUT DEBUG CONSOLE TERMINAL

```
PS C:\Users\sadique kausar\Documents\192111479> cd "c:\Users\sadique kausar\Documents\192111479\" ; if ($?) { javac Stringcompare.java } ; if ($?) { java Stringcompare }
Equal
PS C:\Users\sadique kausar\Documents\192111479>
```

The image shows a Visual Studio Code editor window with the file `samedata.java` open. The code defines a class `samedata` with a `main` method. Inside `main`, three strings are defined: `columnist1` ("Stephen Edwin King"), `columnist2` ("Walter Winchell"), and `columnist3` ("Mike Royko"). Two boolean variables, `equals1` and `equals2`, are assigned the results of `columnist1.equals(columnist2)` and `columnist1.equals(columnist3)` respectively. Finally, two lines of code use `System.out.println` to print the results of these comparisons in a formatted string.

```
1 public class samedata{
2
3     public static void main(String[] args)
4     {
5         String columnist1 = "Stephen Edwin King";
6         String columnist2 = "Walter Winchell";
7         String columnist3 = "Mike Royko";
8
9
10        boolean equals1 = columnist1.equals(columnist2);
11        boolean equals2 = columnist1.equals(columnist3);
12
13
14        System.out.println("'" + columnist1 + "\" equals '" +
15            columnist2 + "\"? " + equals1);
16        System.out.println("'" + columnist1 + "\" equals '" +
17            columnist3 + "\"? " + equals2);
18    }
19 }
20
```

The terminal at the bottom shows the execution of the program. It starts with a directory change to `C:\Users\sadique kausar\Documents\192111479` and then runs `javac samedata.java` and `java samedata`. The output shows the string length of 'praneeth' (8) and the results of the equality comparisons: `"Stephen Edwin King" equals "Walter Winchell"? false` and `"Stephen Edwin King" equals "Mike Royko"? false`.

```
PS C:\Users\sadique kausar\Documents\192111479> cd "c:\Users\sadique kausar\Documents\192111479\" ; if ($?) { javac stringlength.java } ; if ($?) { java stringlength }
The string length of 'praneeth' is: 8
PS C:\Users\sadique kausar\Documents\192111479> cd "c:\Users\sadique kausar\Documents\192111479\" ; if ($?) { javac samedata.java } ; if ($?) { java samedata }
"Stephen Edwin King" equals "Walter Winchell"? false
"Stephen Edwin King" equals "Mike Royko"? false
PS C:\Users\sadique kausar\Documents\192111479>
```