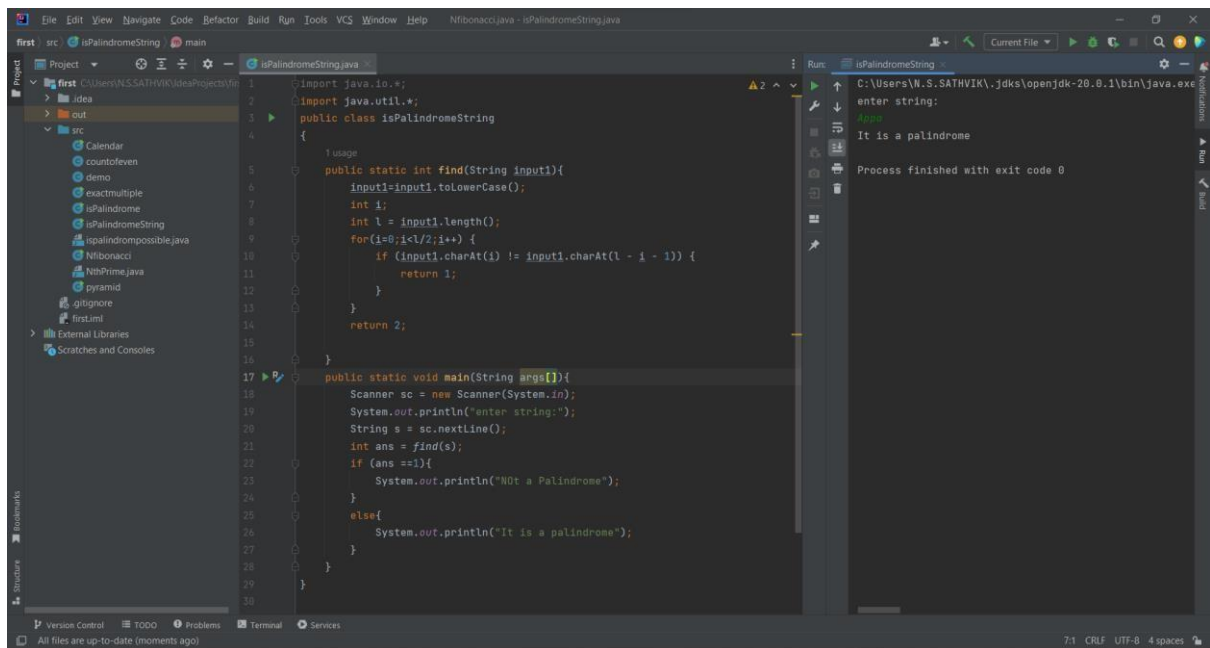


DAY 7 REPORT

1.isPalindrome(String)

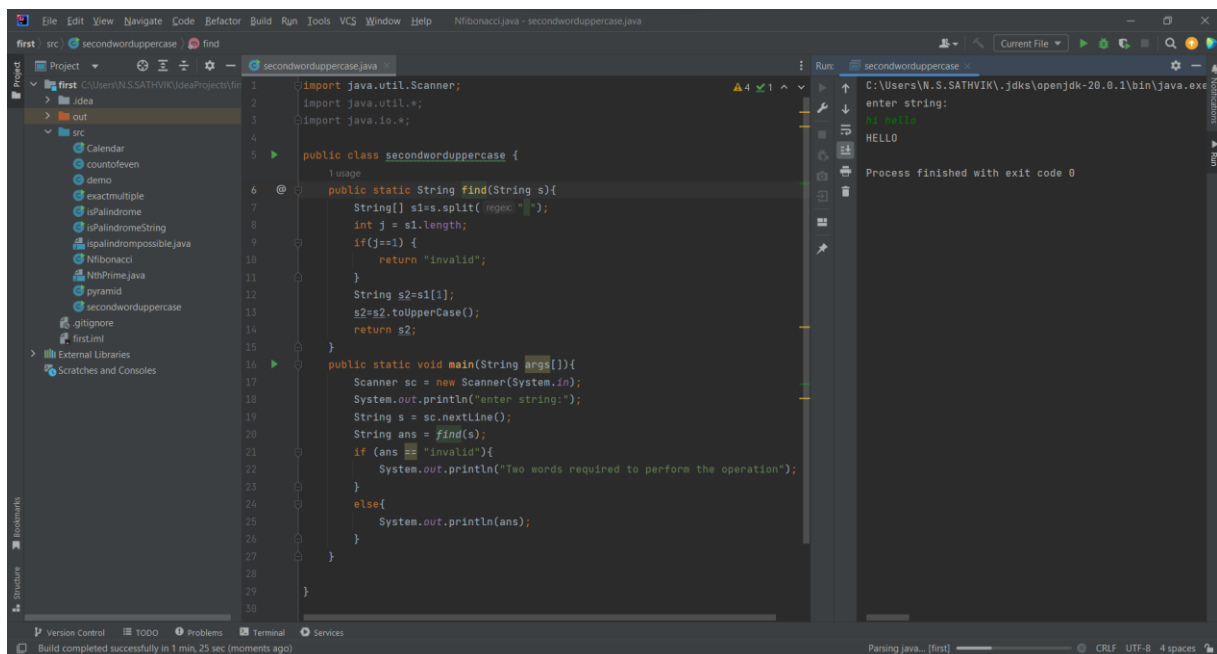


The screenshot shows an IDE with a project named 'first'. The file 'isPalindromeString.java' is open. The code defines a public class 'isPalindromeString' with a static method 'find' and a 'main' method. The 'find' method takes a string 'input1', converts it to lowercase, and checks if it is a palindrome by comparing characters from both ends. The 'main' method uses a 'Scanner' to take input from the user and prints the result.

```
1 import java.io.*;
2 import java.util.*;
3 public class isPalindromeString
4 {
5     public static int find(String input1){
6         input1=input1.toLowerCase();
7         int l;
8         int l = input1.length();
9         for(i=0;i<l/2;i++){
10             if (input1.charAt(i) != input1.charAt(l - i - 1)) {
11                 return 1;
12             }
13         }
14         return 2;
15     }
16
17     public static void main(String args[]){
18         Scanner sc = new Scanner(System.in);
19         System.out.println("enter string:");
20         String s = sc.nextLine();
21         int ans = find(s);
22         if (ans ==1){
23             System.out.println("Not a Palindrome");
24         }
25         else{
26             System.out.println("It is a palindrome");
27         }
28     }
29 }
30
```

The Run console shows the output: "enter string: Appa" followed by "It is a palindrome" and "Process finished with exit code 0".

2.Secondword uppercase



The screenshot shows an IDE with a project named 'first'. The file 'secondworduppercase.java' is open. The code defines a public class 'secondworduppercase' with a static method 'find' and a 'main' method. The 'find' method takes a string 's', splits it into words, and returns the second word in uppercase. The 'main' method uses a 'Scanner' to take input from the user and prints the result.

```
1 import java.util.Scanner;
2 import java.util.*;
3 import java.io.*;
4
5 public class secondworduppercase {
6     public static String find(String s){
7         String[] s1=s.split(" ");
8         int j = s1.length;
9         if(j==1){
10             return "Invalid";
11         }
12         String s2=s1[1];
13         s2=s2.toUpperCase();
14         return s2;
15     }
16
17     public static void main(String args[]){
18         Scanner sc = new Scanner(System.in);
19         System.out.println("enter string:");
20         String s = sc.nextLine();
21         String ans = find(s);
22         if (ans == "Invalid"){
23             System.out.println("Two words required to perform the operation");
24         }
25         else{
26             System.out.println(ans);
27         }
28     }
29 }
30
```

The Run console shows the output: "enter string: hi hello" followed by "HELLO" and "Process finished with exit code 0".