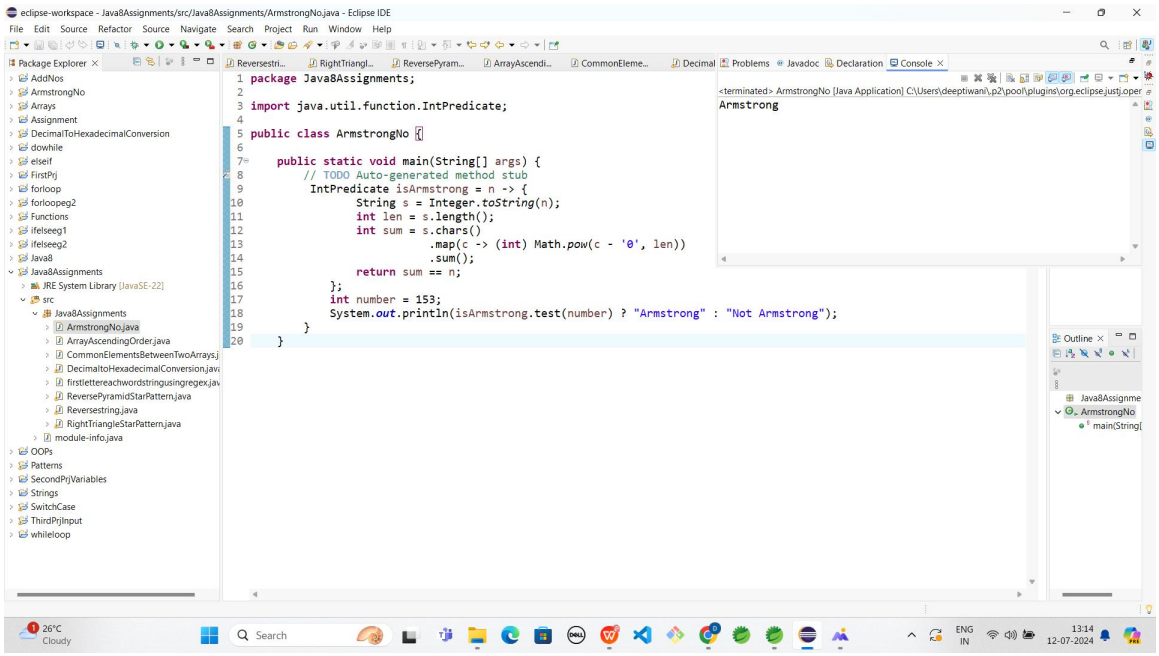
Verinite Technologies Pvt Ltd

Java 8 Basics-Assignment

Program to Check Armstrong Number




```java
package Java8Assignments;

import java.util.function.IntPredicate;

public class ArmstrongNo {

    public static void main(String[] args) {
        // TODO Auto-generated method stub
         IntPredicate isArmstrong = n -> {
                String s = Integer.toString(n);
                int len = s.length();
                int sum = s.chars()
                           .map(c -> (int) Math.pow(c - '0', len))
                           .sum();
                return sum == n;
            };
            int number = 153;
            System.out.println(isArmstrong.test(number) ? "Armstrong" : "Not Armstrong");
        }
    }
```

Program to Print Right Triangle Star Pattern

Input : n = 5

Output:

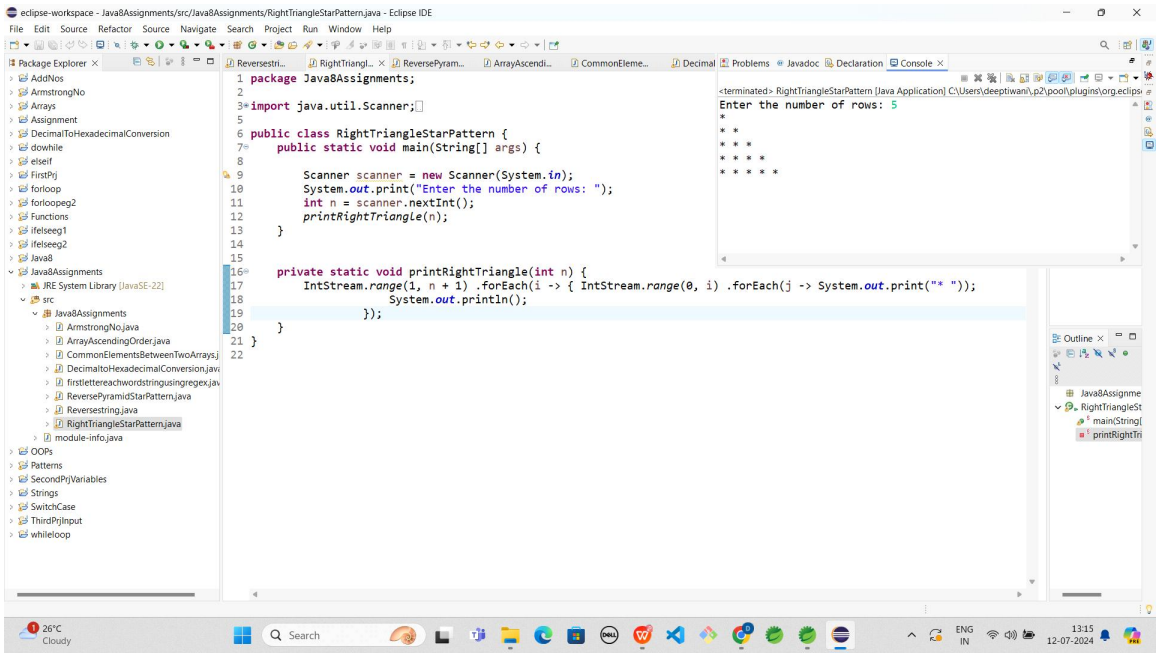
*

* *

* * *

* * * *

* * * * *

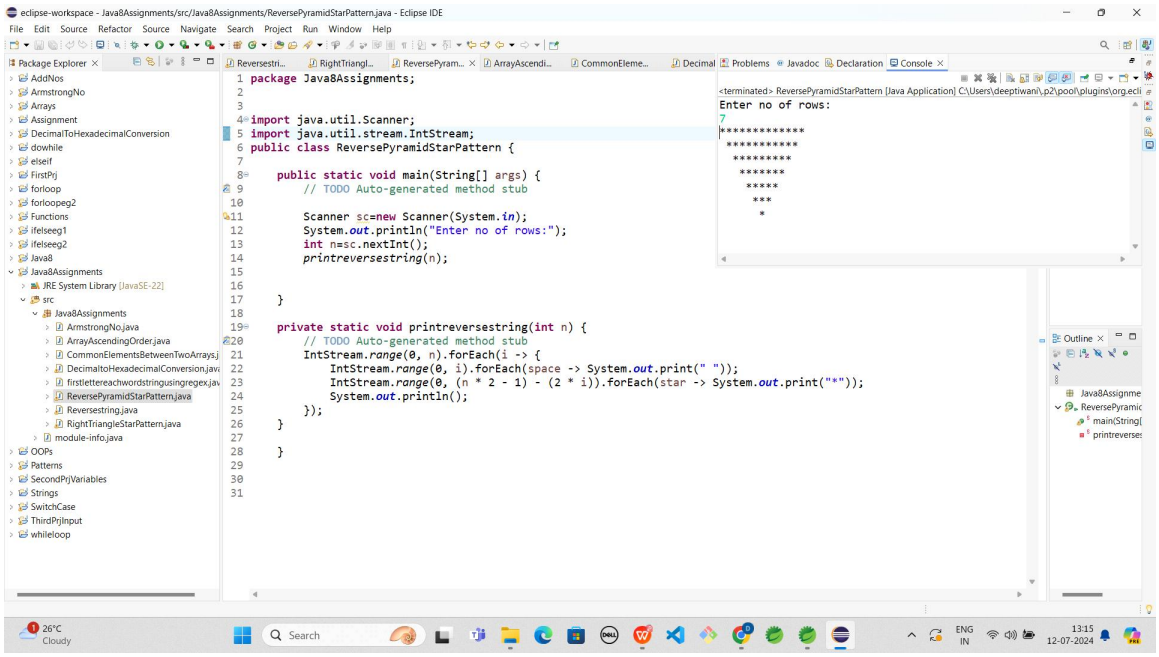


Program to Print Reverse Pyramid Star Pattern

Input: number = 7

Output:

```
***********
 **********
  *********
   *******
    *****
     ***
      *
```



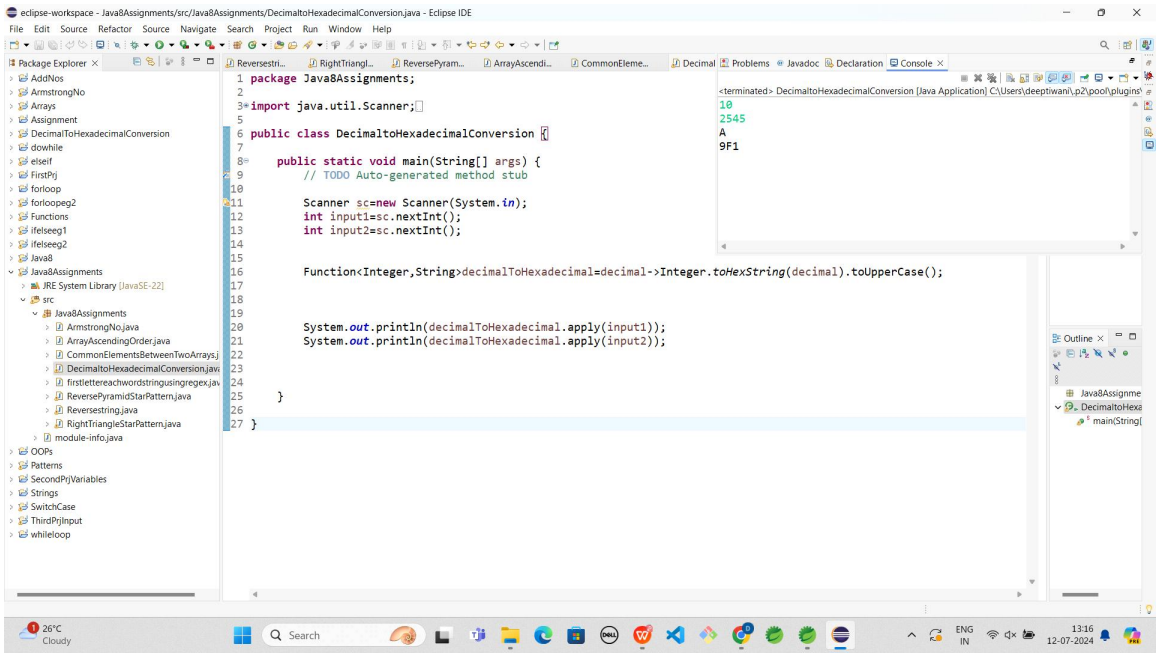
Program For Decimal to Hexadecimal Conversion

Input : 10

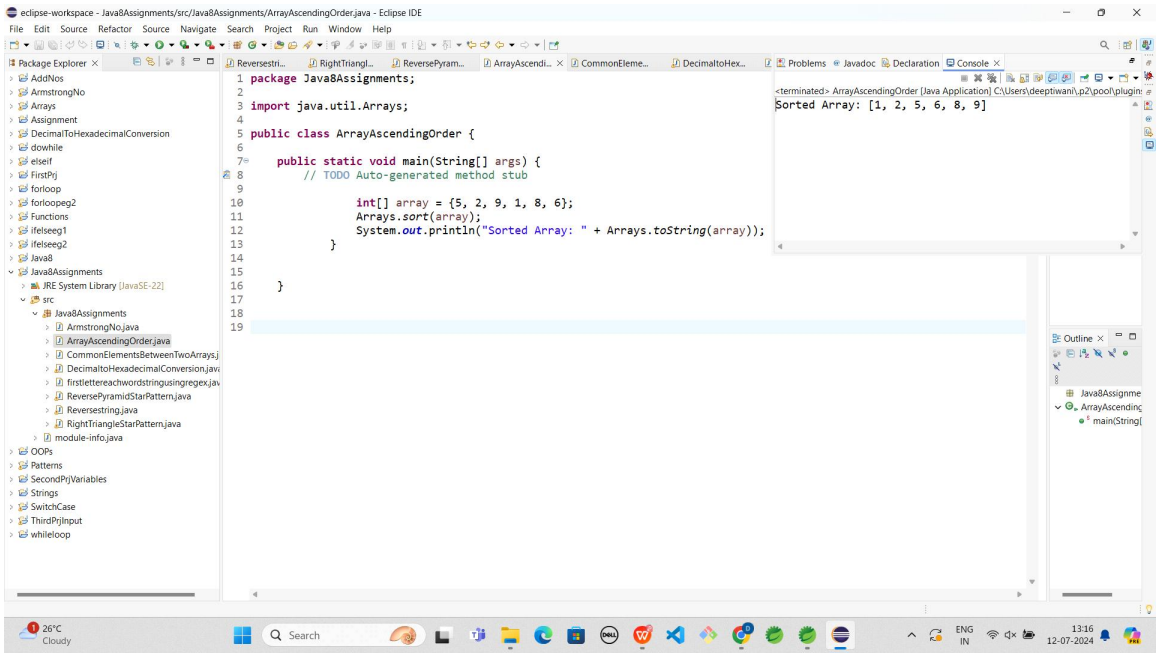
Output: A

Input : 2545

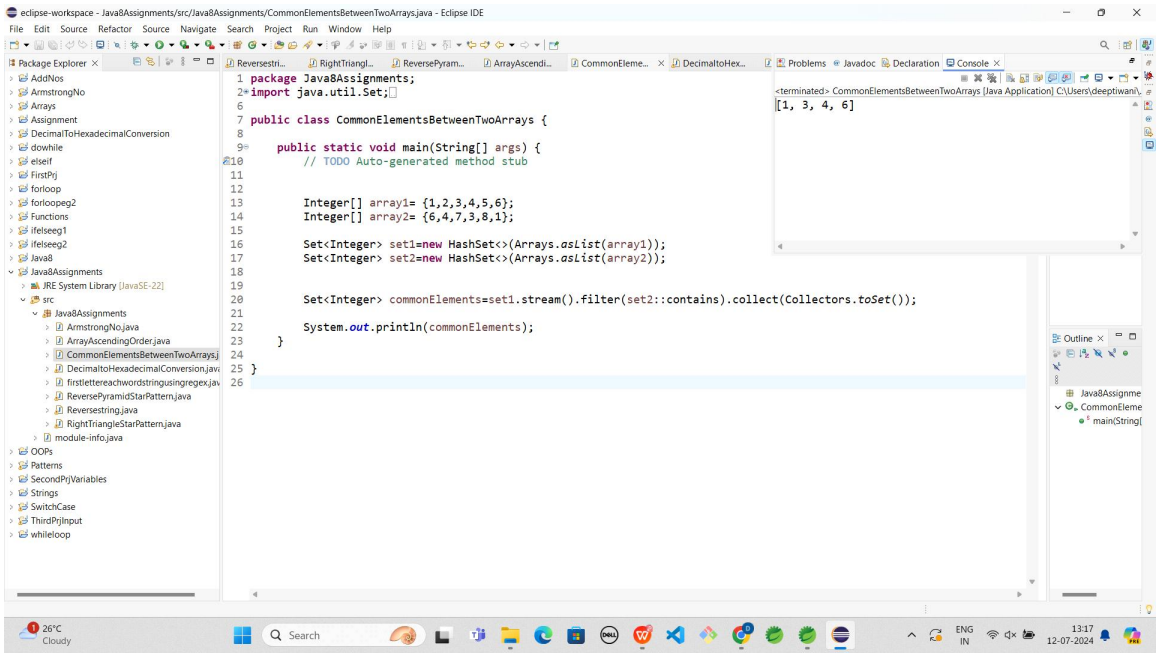
Output: 9F1



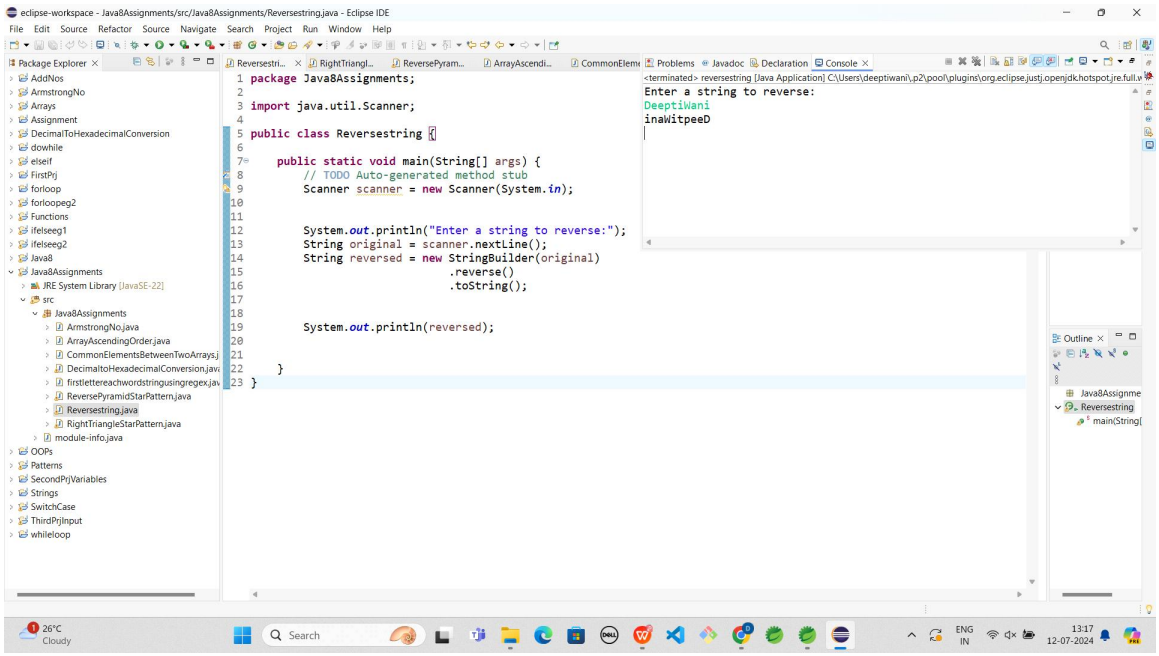
Program to Sort the Elements of an Array in Ascending Order



Program to Find Common Elements Between Two Arrays



Reverse a string in Java



Print first letter of each word in a string using regex