Main.java

Share Run

```java
import java.time.DayOfWeek;
import java.time.LocalDate;

public class DayOfWeekFinder {
    public static String findDayOfWeek(int day, int month, int year) {
        LocalDate date = LocalDate.of(year, month, day);
        DayOfWeek dayOfWeek = date.getDayOfWeek();
        return dayOfWeek.toString();
    }

    public static void main(String[] args) {
        int day = 31;
        int month = 8;
        int year = 2019;
        String dayOfWeek = findDayOfWeek(day, month, year);
        System.out.println(dayOfWeek);
    }
}
```

Output Clear

```
java -cp /tmp/TtMJzd4KyE/DayOfWeekFinder
SATURDAY

=== Code Execution Successful ===
```

Main.java

Share Run

```java
public class PalindromeCreator {
    public static void main(String[] args) {
        int inputNumber = 7325;
        int reverseNumber;

        do {
            reverseNumber = Integer.parseInt(new StringBuilder(String.valueOf
                (inputNumber)).reverse().toString());
            if (inputNumber == reverseNumber) {
                System.out.println("Palindrome reached: " + inputNumber);
                break;
            } else {
                System.out.println(inputNumber + " + " + reverseNumber + " = " +
                    (inputNumber + reverseNumber));
                inputNumber += reverseNumber;
            }
        } while (true);
    }
}
```

Output

Clear

```
java -cp /tmp/zsomaNVpQM/PalindromeCreator
7325 + 5237 = 12562
12562 + 26521 = 39083
39083 + 38093 = 77176
77176 + 67177 = 144353
144353 + 353441 = 497794
Palindrome reached: 497794

=== Code Execution Successful ===
```

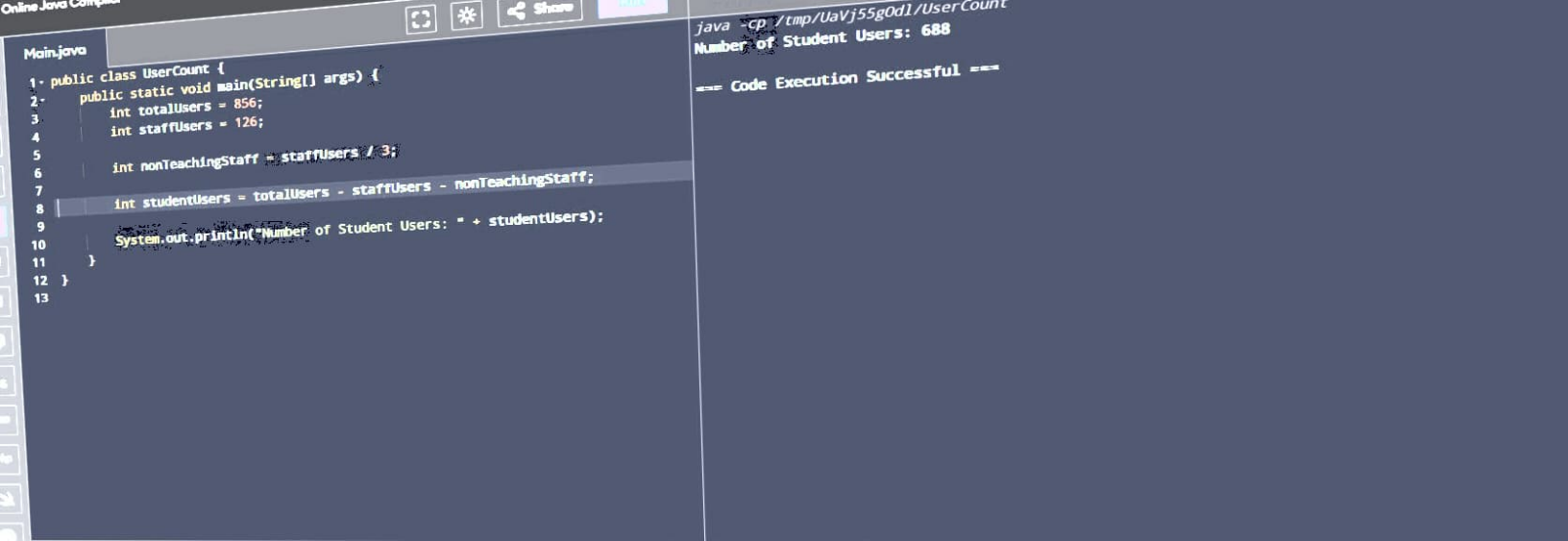
Main.java

Share | Run

```java
import java.util.Scanner;

public class Main {
    public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);

        System.out.print("Enter the lower range: ");
        int lowerRange = scanner.nextInt();

        System.out.print("Enter the upper range: ");
        int upperRange = scanner.nextInt();

        int[][] numberSquareArray = new int[upperRange - lowerRange + 1][2];

        for (int i = lowerRange; i <= upperRange; i++) {
            numberSquareArray[i - lowerRange][0] = i;
            numberSquareArray[i - lowerRange][1] = i * i;
        }

        System.out.println("Number\tSquare");
        for (int[] pair : numberSquareArray) {
            System.out.println(pair[0] + "\t" + pair[1]);
        }
    }
}
```

Output

```
java -cp /tmp/5QcIeIELXN/Main
Enter the lower range: 7
Enter the upper range: 7
Number  Square
7   49

=== Code Execution Successful ===
```


Online Java Compiler
Share
Main.java
public class UserCount {
public static void main(String[] args) {
int totalUsers = 856;
int staffUsers = 126;
int nonTeachingStaff = staffUsers / 3;
int studentUsers = totalUsers - staffUsers - nonTeachingStaff;
System.out.println("Number of Student Users: " + studentUsers);
}
}
java -cp /tmp/UaVj55gOd1/UserCount
Number of Student Users: 688
=== Code Execution Successful ===

Online Java Compiler

Main.java

Share | Run

Output | Clear

```java
class Customer {
    private int AccountNo;
    private String AccName;
    private int Balance = 10000;

    public synchronized void deposit(int amount) {
        Balance += amount;
        notify();
    }

    public synchronized void withdraw(int amount) {
        if (amount > Balance) {
            try {
                System.out.println("Insufficient balance. Waiting for deposit
                    ...");
                wait();
            } catch (InterruptedException e) {
                e.printStackTrace();
            }
        }
        Balance -= amount;
        System.out.println("Withdraw operation success. Balance amount: " +
            Balance);
    }
}
```

```
java -cp /tmp/Fpfio05nEY/Main
Insufficient balance. Waiting for deposit...
Withdraw operation success. Balance amount: 1000

=== Code Execution Successful ===
```

Main.java

Share Run

```java
public class BankAccount {
    private double balance = 10000.00;
    private static final double MIN_BALANCE = 500.00;

    public void withdraw(double amount) {
        if (balance - amount >= MIN_BALANCE) {
            balance -= amount;
            System.out.println("Amount Rs." + amount + " withdrawn successfully."
                );
        } else {
            System.out.println("Insufficient balance. Minimum balance of Rs. 500
                .00 must be maintained.");
        }
    }

    public static void main(String[] args) {
        BankAccount account = new BankAccount();
        account.withdraw(1000.00);
    }
}
```

Output Clear

```
java -cp /tmp/DOYjfjsaJM/BankAccount
Amount Rs.1000.0 withdrawn successfully.

=== Code Execution Successful ===
```

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Main.java

Share Run

```java
import java.util.Scanner;

public class NumberAndSquareArray {
    public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);

        System.out.print("Enter the lower range: ");
        int lowerRange = scanner.nextInt();

        System.out.print("Enter the upper range: ");
        int upperRange = scanner.nextInt();

        int[][] numberSquareArray = new int[upperRange - lowerRange + 1][2];

        for (int i = lowerRange; i <= upperRange; i++) {
            numberSquareArray[i - lowerRange][0] = i;
            numberSquareArray[i - lowerRange][1] = i * i;
        }

        for (int[] pair : numberSquareArray) {
            System.out.println(pair[0] + " - " + pair[1]);
        }
    }
}
```

Output

Clear

```
java -cp /tmp/B9gjUrFeqZ/NumberAndSquareArray
Enter the lower range: 3
Enter the upper range: 7
3 - 9
4 - 16
5 - 25
6 - 36
7 - 49

=== Code Execution Successful ===
```

Main.java

Share Run

```java
class Student {
    Scanner scanner = new Scanner(System.in);
    int[] marks = new int[6];
    int total = 0;
    double aggregate = 0.0;

    void inputMarks() {
        for (int i = 0; i < 6; i++) {
            System.out.print("Enter the marks in subject " + (i + 1) + ": ");
            marks[i] = scanner.nextInt();
            total += marks[i];
        }
        aggregate = total / 6.0;
    }
}
class GradeCalculator extends Student {
    void calculateGrade() {
        inputMarks();
        System.out.println("Total = " + total);
        System.out.println("Aggregate = " + aggregate);

        if (aggregate > 75) {
            System.out.println("Class: DISTINCTION");
        } else if (aggregate >= 60 && aggregate <= 75) {
            System.out.println("Class: FIRST DIVISION");
        } else if (aggregate >= 50 && aggregate < 60) {
            System.out.println("Class: SECOND DIVISION");
        } else if (aggregate >= 40 && aggregate < 50) {
            System.out.println("Class: THIRD DIVISION");
        } else {
            System.out.println("Class: FAIL");
        }
    }
}

public class Main {
    public static void main(String[] args) {
```

Output

Programiz PRO ›

Clear

```
java -cp /tmp/tuxwu9AO8g/Main
Enter the marks in subject 1: 100
Enter the marks in subject 2: 99
Enter the marks in subject 3: 88
Enter the marks in subject 4: 77
Enter the marks in subject 5: 55
Enter the marks in subject 6: 65
Total = 484
Aggregate = 80.66666666666667
Class: DISTINCTION

=== Code Execution Successful ===
```

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Main.java

Share Run

```java
import java.util.HashSet;
import java.util.Set;

public class UniquePermutations {
    public static void main(String[] args) {
        String number = "143";
        Set<String> uniquePermutations = new HashSet<>();
        generatePermutations("", number, uniquePermutations);
        System.out.println("Permutations are:");
        for (String perm : uniquePermutations) {
            System.out.println(perm);
        }
    }

    private static void generatePermutations(String prefix, String remaining,
        Set<String> uniquePermutations) {
        int n = remaining.length();
        if (n == 0) {
            uniquePermutations.add(prefix);
        } else {
            for (int i = 0; i < n; i++) {
                generatePermutations(prefix + remaining.charAt(i), remaining
                    .substring(0, i) + remaining.substring(i + 1, n),
                    uniquePermutations);
            }
        }
```

Online Java Compiler

Main.java

Share

Run

Output

Clear

```java
public class BankAccount {
    private double balance = 10000.00;
    private static final double MIN_BALANCE = 500.00;

    public void withdraw(double amount) {
        if (balance - amount >= MIN_BALANCE) {
            balance -= amount;
            System.out.println("Amount Rs." + amount + " withdrawn successfully."
                );
        } else {
            System.out.println("Insufficient balance. Minimum balance of Rs. 500
                .00 must be maintained.");
        }
    }

    public static void main(String[] args) {
        BankAccount account = new BankAccount();
        account.withdraw(1000.00);
    }
}

```

```
java -cp /tmp/YQxGjjmeux/BankAccount
Amount Rs.1000.0 withdrawn successfully.

=== Code Execution Successful ===
```

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Main.java

Share

Run

```java
import java.util.Scanner;

public class DaysConverter {
    public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);

        System.out.print("Enter the number of days: ");
        int totalDays = scanner.nextInt();

        int years = totalDays / 365;
        int remainingDays = totalDays % 365;
        int weeks = remainingDays / 7;
        int days = remainingDays % 7;

        System.out.println("No. of years: " + years);
        System.out.println("No. of weeks: " + weeks);
        System.out.println("No. of days: " + days);

        scanner.close();
    }
}
```

Output

Clear

```
java -cp /tmp/1fqh8lUjBD/DaysConverter
Enter the number of days: 5
No. of years: 0
No. of weeks: 0
No. of days: 5

=== Code Execution Successful ===
```