```
import java.util.Scanner;

public class DaysInMonth {

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

        System.out.println("Enter a month number: ");
        int month = scanner.nextInt();

        System.out.println("Enter a year: ");
        int year = scanner.nextInt();

        int numberOfDaysInMonth =
getNumberOfDaysInMonth(month, year);

        System.out.println(month + " " + year + " has " +
numberOfDaysInMonth + " days");
    }

    private static int getNumberOfDaysInMonth(int
month, int year) {
        int numberOfDaysInMonth = 0;
```

```
switch (month) {
    case 1:
        numberOfDaysInMonth = 31;
        break;
    case 2:
        if (isLeapYear(year)) {
            numberOfDaysInMonth = 29;
        } else {
            numberOfDaysInMonth = 28;
        }
        break;
    case 3:
        numberOfDaysInMonth = 31;
        break;
    case 4:
        numberOfDaysInMonth = 30;
        break;
    case 5:
        numberOfDaysInMonth = 31;
        break;
    case 6:
        numberOfDaysInMonth = 30;
        break;
    case 7:
        numberOfDaysInMonth = 31;
```

```
            break;
        case 8:
            numberOfDaysInMonth = 31;
            break;
        case 9:
            numberOfDaysInMonth = 30;
            break;
        case 10:
            numberOfDaysInMonth = 31;
            break;
        case 11:
            numberOfDaysInMonth = 30;
            break;
        case 12:
            numberOfDaysInMonth = 31;
            break;
      }

      return numberOfDaysInMonth;
   }

   private static boolean isLeapYear(int year) {
      return (year % 4 == 0) && ((year % 100 != 0) ||
(year % 400 == 0));
   }
```

```
}
```

```
import java.util.Scanner;

public class DaysInMonth {

    public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);
        int month = scanner.nextInt();

        int numberOfDays = 0;
        switch (month) {
            case 1:
                numberOfDays = 31;
                break;
```

```
case 2:
    numberOfDays = 28;
    break;
case 3:
    numberOfDays = 31;
    break;
case 4:
    numberOfDays = 30;
    break;
case 5:
    numberOfDays = 31;
    break;
case 6:
    numberOfDays = 30;
    break;
case 7:
    numberOfDays = 31;
    break;
case 8:
    numberOfDays = 31;
    break;
case 9:
    numberOfDays = 30;
    break;
case 10:
```

```
            numberOfDays = 31;
            break;
        case 11:
            numberOfDays = 30;
            break;
        case 12:
            numberOfDays = 31;
            break;
    }

    System.out.println(numberOfDays);
  }
}
```

```
import java.util.Scanner;

public class MaximumElement {

    public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);
        int a = scanner.nextInt();
        int b = scanner.nextInt();

        int max = a;
        if (b > max) {
            max = b;
        }

        System.out.println(max);
    }
}
```

```
import java.util.Scanner;

public class MaximumOfThreeNumbers {

    public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);
        int a = scanner.nextInt();
        int b = scanner.nextInt();
        int c = scanner.nextInt();

        int max = a;
        if (b > max) {
            max = b;
        }
        if (c > max) {
            max = c;
        }

        System.out.println(max);
    }
```

```
}
```

```
import java.util.Scanner;

public class OddEven {

    public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);
        int n = scanner.nextInt();

        if (n % 2 == 1) {
            System.out.println(1);
        } else {
            System.out.println(0);
        }
    }
```

```
}
```

```
import java.util.Scanner;

public class Minimum {

    public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);
        int a = scanner.nextInt();
        int b = scanner.nextInt();

        int min = a;
        if (b < min) {
            min = b;
        }
```

```
        System.out.println(min);
    }
}
```

```
import java.util.Scanner;

public class MinOfThreeNumbers {

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

```
        int a = scanner.nextInt();
        int b = scanner.nextInt();
        int c = scanner.nextInt();

        int min = a;
        if (b < min) {
            min = b;
        }
        if (c < min) {
            min = c;
        }

        System.out.println(min);
    }
}
```

```
import java.util.Scanner;

public class DivisibleBy5And11 {
```

```
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        int a = sc.nextInt();

        boolean isDivisibleBy5 = a % 5 == 0;
        boolean isDivisibleBy11 = a % 11 == 0;

        if (isDivisibleBy5 && isDivisibleBy11) {
            System.out.println(1);
        } else {
            System.out.println(0);
        }
    }
}
```

```
import java.util.Scanner;

public class BankingTransaction {

    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        int balance = sc.nextInt();
        int type = sc.nextInt();
        int amount = sc.nextInt();

        if (type == 1) {
            balance += amount;
        } else if (type == 2) {
            if (balance >= amount) {
                balance -= amount;
            } else {
                System.out.println("Insufficient Funds");
            }
        }

        System.out.println(balance);
    }
}
```