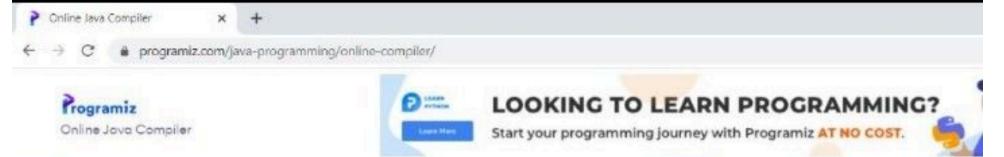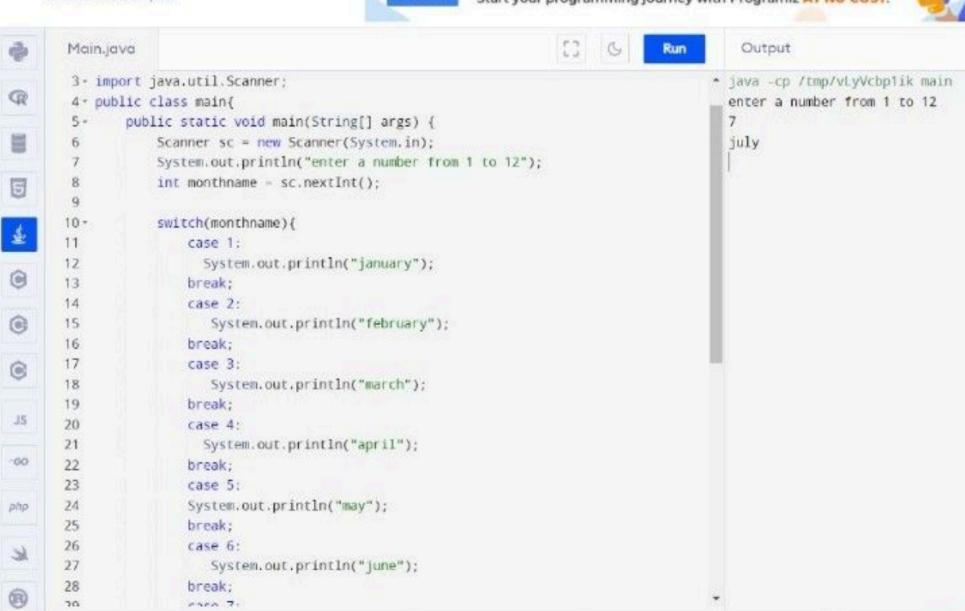```java
1   // Online Java Compiler
2   // Use this editor to write, compile and run your Java code online
3   import java.util.Scanner;
4   public class maim{
5   public static void main(String[] args) {
6   Scanner sc = new Scanner(System.in);
7   System.out.println("enter the digit or constant");
8   Char ch = sc.next();CharAt(0);
9   if(ch=='a'|| ch=='e'|| ch=='i'|| ch=='o'|| ch=='u');
10   {
11   System.out.println(ch + " is vowel");
12   }
13   else {
14   System.out.println(ch + "is constant");
15   }
16   }
17   }
```

```java
3   import java.util.Scanner;
4   public class main{
5       public static void main(String[] args) {
6           Scanner sc = new Scanner(System.in);
7           System.out.println("enter a number from 1 to 7");
8           int dayname = sc.nextInt();
9
10          switch(dayname){
11              case 1:
12                  System.out.println("sunday");
13              break;
14              case 2:
15                  System.out.println("monday");
16              break;
17              case 3:
18                  System.out.println("tuesday");
19              break;
20              case 4:
21                  System.out.println("wednesday");
22              break;
23              case 5:
24              System.out.println("thursday");
25              break;
26              case 6:
27                  System.out.println("friday");
28              break;
```

```
java -cp /tmp/vLyVcbplik main
enter a number from 1 to 7
4
wednesday
```

```java
26          case 6:
27              System.out.println("friday");
28          break;
29          case 7:
30              System.out.println("saturday");
31          default:
32          System.out.println("invalid day");
33      }
34
35    }
36  }
```

Programiz
Online Java Compiler

Main.java

Run

Output

```java
import java.util.Scanner;
public class main{
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        System.out.println("enter a number from 1 to 12");
        int monthname = sc.nextInt();

        switch(monthname){
            case 1:
                System.out.println("january");
            break;
            case 2:
                System.out.println("february");
            break;
            case 3:
                System.out.println("march");
            break;
            case 4:
                System.out.println("april");
            break;
            case 5:
            System.out.println("may");
            break;
            case 6:
                System.out.println("june");
            break;
            case 7:
```

```
java -cp /tmp/vLyVcbp1ik main
enter a number from 1 to 12
7
july
```

```java
23  case 5.
24  System.out.println("may");
25  break;
26  case 6:
27      System.out.println("june");
28  break;
29  case 7:
30    System.out.println("july");
31    break;
32   case 8:
33  System.out.println("august");
34  break;
35  case 9:
36      System.out.println("september");
37  break;
38  case 10:
39    System.out.println("october");
40    break;
41      case 11:
42    System.out.println("november");
43  break;
44  case 12:
45    System.out.println("december");
46    break;
47    default:
48  System.out.println("invalid month");
49        }}}
```

Main.java

Run

Output

```
java -cp /tmp/uLyVcbp1ik main
enter a number from 1 to 12
7
july
```

```java
// Use this editor to write, compile and run your Java code online
import java.util.Scanner;
public class main{
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        System.out.println("enter the marks");
        int marks = sc.nextInt();
        if(marks>90){

            System.out.println(" grade is A");
        }
        else if("marks>80 && marks<=90"){
            System.out.println("grade is B");
        }
        else if("marks>=60 && marks<=80"){
            System.out.println("grade is C");
        }
        else if(marks>60){
            System.out.println("grade is D");
            }
            else{
                System.out.println("invalid");
            }
}}
```

```java
// Online Java Compiler
// Use this editor to write, compile and run your Java code online
import java.util.Scanner;
public class main{
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        System.out.println("enter the costprice");
        int costprice = sc.nextInt();
        if(costprice>100000){

            System.out.println(" tax is 15%");
        }
        else if("costprice>50000 && costprice<=100000"){
            System.out.println("tax is 10%");
        }

        else if(costprice<=50000){
            System.out.println("tax is 5%");
            }
            else{
                System.out.println("not accepted");
            }
    }}
```
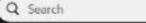
Main.java   ⛶   ☾   **Run**   Output

```java
1  // Online Java Compiler
2  // Use this editor to write, compile and run your Java code online
3  import java.util.Scanner;
4  public class main{
5      public static void main(String[] args) {
6          Scanner sc = new Scanner(System.in);
7          System.out.println("enter the current bill");
8          int units = sc.nextInt();
9          if(units>100){
10
11             System.out.println(" no charge");
12         }
13         else if(units>100 && units<=200)
14         {
15             System.out.println("Rs 5 per unit");
16         }
17
18         else if(units<=200){
19             System.out.println("Rs 10 per unit ");
20         }
21         else{
22             System.out.println("invalid");
23         }
24     }}
25
26
27
```

```
java -cp /tmp/vLyVcbp1ik main
enter the current bill
250
no charge
```

Main.java   ⛶ ☾   **Run**   Output

```
1    // Online Java Compiler
2    // Use this editor to write, compile and run your Java code online
3    import java.util.Scanner;
4    public class main{
5        public static void main(String[] args) {
6            System.out.println("enter the two numbers");
7            Scanner obj = new Scanner(System.in);
8            int a = obj.nextInt();
9            int b = obj.nextInt();
10           System.out.println("addition of two numbers is:" +(a+b));
11       }
12   }
```

```
java -cp /tmp/vLyVcbp1ik main
enter the two numbers
7
9
addition of two numbers is:16
```

Main.java   [ ]   🌙   **Run**   Output

```java
1   // Online Java Compiler
2   // Use this editor to write, compile and run your Java code online
3 ▾ import java.util.Scanner;
4 ▾ public class main{
5 ▾     public static void main(String[] args) {
6           System.out.println("enter the two numbers");
7           Scanner obj = new Scanner(System.in);
8           int a = obj.nextInt();
9           int b = obj.nextInt();
10          System.out.println("addition of two numbers is:" +(a+b));
11      }
12  }
```

```
java -cp /tmp/vLyVcbp1ik m
enter the two numbers
7
9
addition of two numbers is
```

Q Search

```java
import java.util.Scanner;
public class GradeCategory {
    public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);
System.out.print("Enter the percentage: ");
        double percentage = scanner.nextDouble();
        String category;
        if (percentage < 40) {
            category = "Failed";
        } else if (percentage < 55) {
            category = "Fair";
        } else if (percentage < 65) {
            category = "Good";
        } else {
            category = "Excellent";
        }
        System.out.println("Category: " + category);
        scanner.close();
    }
}
```

```java
import java.util.Scanner;
public class NetAmountCalculator {
    public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);
        System.out.print("Enter marked price: ");
        double markedPrice = scanner.nextDouble();
        double discount = 0.0;
        if (markedPrice > 10000) {
            discount = 0.2;
        } else if (markedPrice > 7000) {
            discount = 0.15;
        } else {
            discount = 0.1;
        }
    double netAmount = markedPrice - (markedPrice * discount);
        System.out.println("Net amount to pay: " + netAmount);
    }
}
```

```java
1  import java.util.Scanner;
2  public class BonusCalculator {
3      public static void main(String[] args) {
4          Scanner scanner = new Scanner(System.in);
5      System.out.print("Enter the employee's years of service: ");
6          int yearsOfService = scanner.nextInt();
7   double bonusPercentage = 0.0;
8   if (yearsOfService > 10) {
9       bonusPercentage = 10.0;
10          } else if (yearsOfService >= 6 && yearsOfService <= 10)
                {
11              bonusPercentage = 8.0;
12          } else if (yearsOfService < 6) {
13              bonusPercentage = 5.0;}
14   double bonusAmount = bonusPercentage * 1000;
15   System.out.println("The bonus percentage is: " +
        bonusPercentage + "%");
16          System.out.println("The bonus amount is: $" +
                bonusAmount);
17          scanner.close();}}
```

```java
import java.util.Scanner;
public class Calculator {
    public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);
Scanner sc=new Scanner(System.in);
        System.out.println("enter a marks");
        int marks=sc.nextInt();
         if (marks<25)
         {System.out.println("grade D");
          }
          else if(marks>=25&&marks<=45)
          {System.out.println("grade C");}
else if(marks>45&&marks<=50){
            System.out.println("grade B");}
            else if(marks>50&&marks<=60){
                System.out.println("grade B+");}
                else if(marks>60&&marks<=80){
                    System.out.println("grade A");}
                    else if(marks>=80){
                        System.out.println("grade A+");}}}
```

```java
1   import java.util.Scanner;
2   public class Calculator {
3       public static void main(String[] args) {
4           Scanner scanner = new Scanner(System.in);
5   System.out.print("Enter the total number of working days: ");
6           int workingdays = scanner.nextInt();
7           System.out.print("Enter the total number of days for
                absent: ");
8           int absentdays = scanner.nextInt();
9           double absentdaysPercentage = (double) absentdays /
                workingdays * 100;
10          System.out.println("absentdaysPercentage: " +
                absentdaysPercentage + "%");
11      }
12  }
```

```java
1 ▾ import java.util.Scanner;
2 ▾ public class LastDigitDivisibleByThree {
3 ▾     public static void main(String[] args) {
4           Scanner scanner = new Scanner(System.in);
5           System.out.print("Enter a number: ");
6           int number = scanner.nextInt();
7           int lastDigit = number % 10;
8           boolean isDivisibleByThree = lastDigit % 3 == 0;
9   System.out.println("Last digit divisible by 3? " +
        isDivisibleByThree);
10      }
11  }
```

```java
import java.util.Scanner;
public class DivisibleBySeven {
    public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);
        System.out.print("Enter a number: ");
        int number = scanner.nextInt()
        if (number % 7 == 0) {
            System.out.println(number + " is divisible by 7.");
        } else {
            System.out.println(number + " is not divisible by 7.");
        }
    }
}
```

```java
1 ▾ import java.util.Scanner;
2 ▾ public class EvenOddChecker {
3 ▾     public static void main(String[] args) {
4           Scanner scanner = new Scanner(System.in);
5           System.out.print("Enter a number: ");
6           int num = scanner.nextInt();
7 ▾         if (num % 2 == 0) {
8               System.out.println(num + " is an even number.");
9 ▾         } else {
10              System.out.println(num + " is an odd number.");
11          }
12      }
13 }
```

```java
import java.util.Scanner;
public class VotingEligibilityChecker {
    public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);
        System.out.print("Enter your age: ");
        int age = scanner.nextInt();
        if (age >= 18) {
            System.out.println("You are eligible to vote!");
        } else {
            System.out.println("You are not eligible to vote yet
                .");
}}}
```