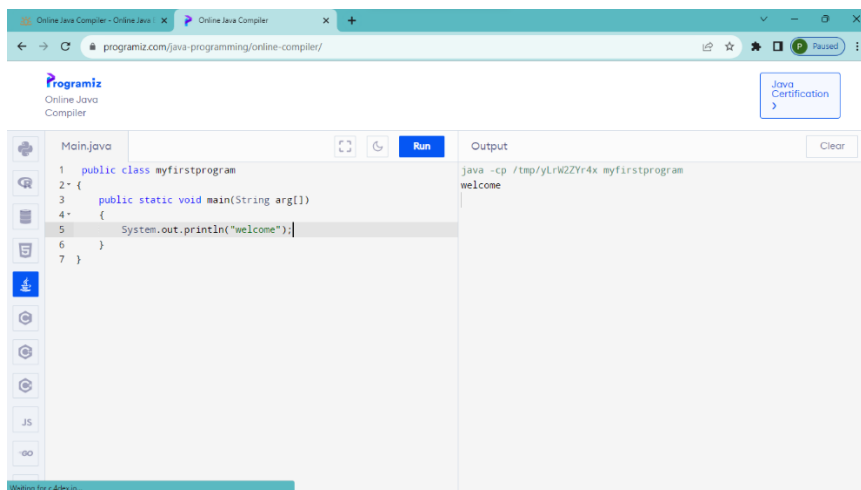


1.To print welcome in java

```
public class myfirstprogram
{
    public static void main(String arg[])
    {
        System.out.println("welcome");
    }
}
```



2.Addition of two numbers

```
import java.util.*;

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

        int a,b,c;

        System.out.println("enter 1st number");

        a=s.nextInt();

        System.out.println("enter 2nd number");
```

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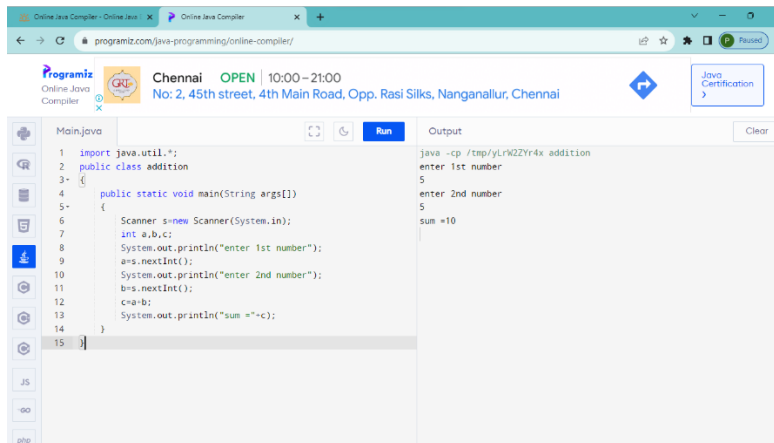
```
        b=s.nextInt();

        c=a+b;

        System.out.println("sum =" +c);

    }

}
```



3.To find simple interest

```
import java.util.*;

public class simpleinterest

{

    public static void main(String args[])

    {

        Scanner s=new Scanner(System.in);

        float p,r,t,si;

        System.out.println("enter p");

        p=s.nextInt();

        System.out.println("enter r");

        r=s.nextInt();

        System.out.println("enter t");

        t=s.nextInt();

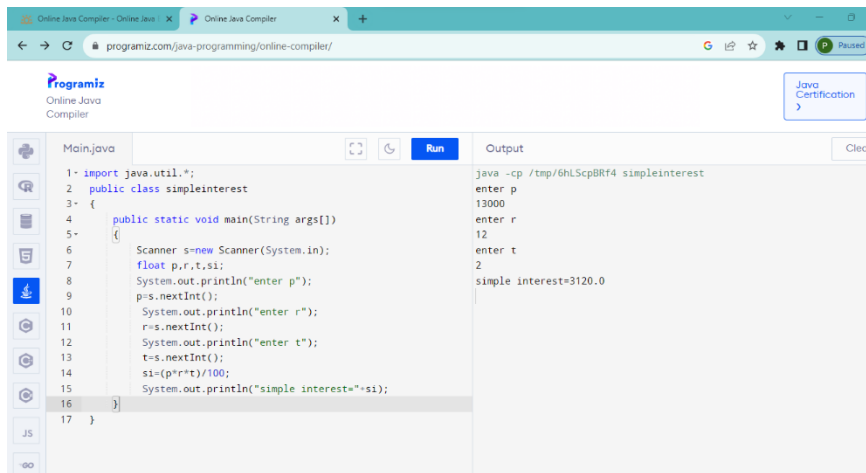
        si=(p*r*t)/100;

        System.out.println("simple interest="+si);

    }

}
```

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The screenshot shows a web browser with the URL `programiz.com/java-programming/online-compiler/`. The page title is "Programiz Online Java Compiler". The main area displays a Java program for calculating simple interest. The code is as follows:

```
1- import java.util.*;
2- public class simpleinterest
3- {
4-     public static void main(String args[])
5-     {
6-         Scanner s=new Scanner(System.in);
7-         float p,r,t,si;
8-         System.out.println("enter p");
9-         p=s.nextInt();
10        System.out.println("enter r");
11        r=s.nextInt();
12        System.out.println("enter t");
13        t=s.nextInt();
14        si=(p*r*t)/100;
15        System.out.println("simple interest="+si);
16    }
17 }
```

The output window shows the execution results:

```
java -cp /tmp/6hLScpBRf4 simpleinterest
enter p
13000
enter r
12
enter t
2
simple interest=3120.0
```

4.Odd or Even

```
import java.util.*;

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

        int num;

        System.out.println("enter number");

        num=s.nextInt();

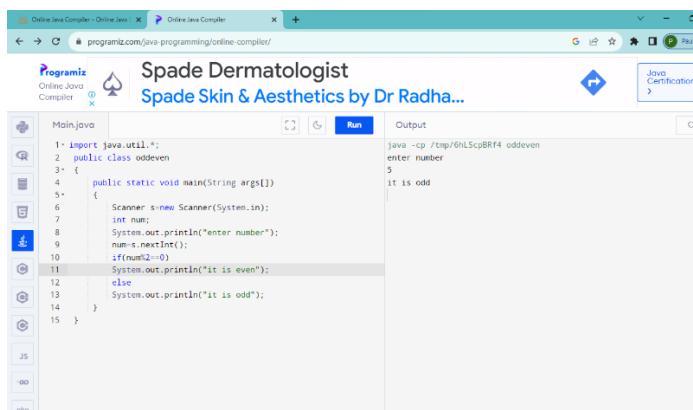
        if(num%2==0)

            System.out.println("it is even");

        else

            System.out.println("it is odd");

    }
}
```



The screenshot shows a web browser with the URL `programiz.com/java-programming/online-compiler/`. The page title is "Programiz Online Java Compiler". The main area displays a Java program for checking if a number is odd or even. The code is as follows:

```
1- import java.util.*;
2- public class oddeven
3- {
4-     public static void main(String args[])
5-     {
6-         Scanner s=new Scanner(System.in);
7-         int num;
8-         System.out.println("enter number");
9-         num=s.nextInt();
10        if(num%2==0)
11            System.out.println("it is even");
12        else
13            System.out.println("it is odd");
14        }
15 }
```

The output window shows the execution results:

```
java -cp /tmp/6hLScpBRf4 oddeven
enter number
5
it is odd
```

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5. Leap year or not

```
import java.util.*;

public class leapyear
{
    public static void main(String args[])
    {
        Scanner s=new Scanner(System.in);
        int year;

        System.out.println("enter an year");
        year=s.nextInt();

        if(((year%4==0)&&(year%100!=0)) || (year%400==0))
            System.out.println("it is leap year");
        else
            System.out.println("it is not leap year");
    }
}
```

The screenshot displays the Programiz Online Java Compiler interface. The browser address bar shows the URL `programiz.com/java-programming/online-compiler/`. The compiler's header includes the Programiz logo and a "Java Certified" badge. The main workspace is divided into two panels: "Main.java" on the left and "Output" on the right. The "Main.java" panel contains the following code:

```
1 import java.util.*;
2 public class leapyear
3 {
4     public static void main(String args[])
5     {
6         Scanner s=new Scanner(System.in);
7         int year;
8         System.out.println("enter an year");
9         year=s.nextInt();
10        if(((year%4==0)&&(year%100!=0)) || (year%400==0))
11            System.out.println("it is leap year");
12        else
13            System.out.println("it is not leap year");
14    }
15 }
```

The "Output" panel shows the execution results:

```
java -cp /tmp/6hLScpBRf4 leapyear
enter an year
2003
it is not leap year
```

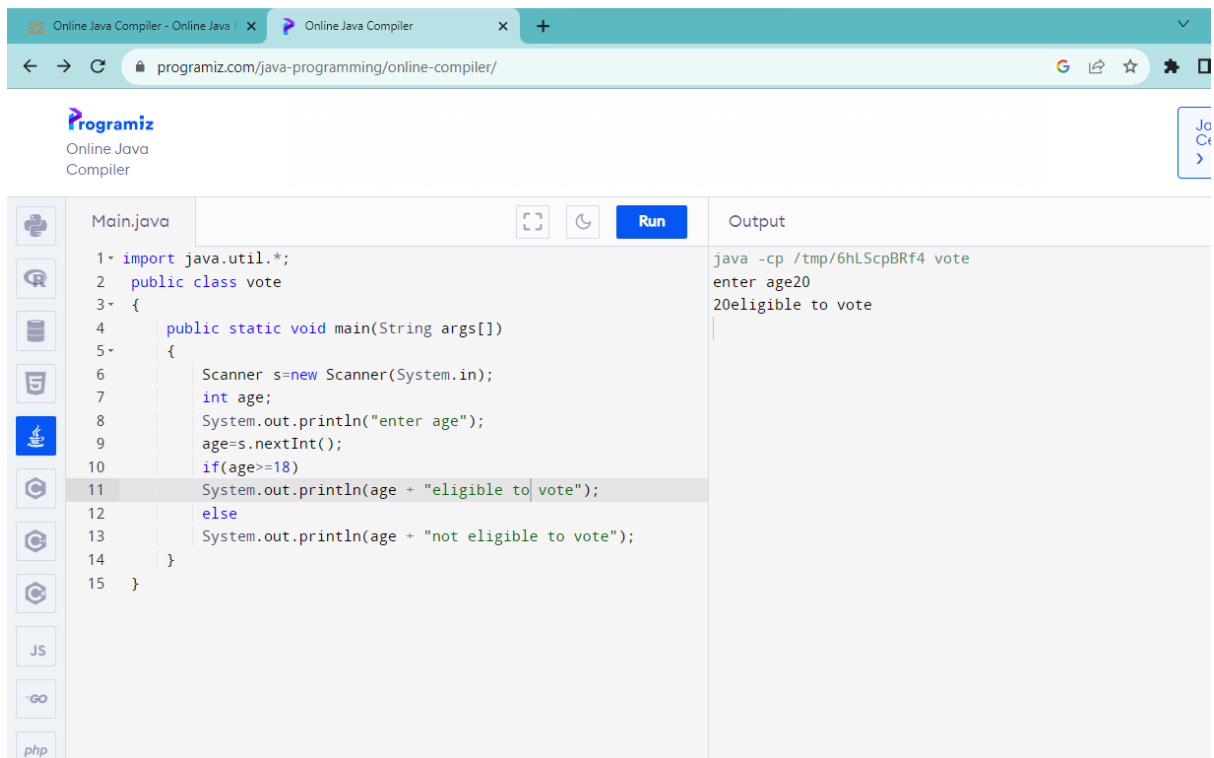
On the left side of the compiler interface, there is a vertical toolbar with icons for file operations (new, open, save, delete) and language selection (JS, GO, php).

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6. Eligible to vote

```
import java.util.*;

public class vote
{
    public static void main(String args[])
    {
        Scanner s=new Scanner(System.in);
        int age;
        System.out.println("enter age");
        age=s.nextInt();
        if(age>=18)
            System.out.println(age + "eligible to vote");
        else
            System.out.println(age + "not eligible to vote");
    }
}
```



The screenshot shows a web browser with two tabs: "Online Java Compiler - Online Java" and "Online Java Compiler". The address bar shows the URL "programiz.com/java-programming/online-compiler/". The Programiz Online Java Compiler interface is displayed, featuring a sidebar with icons for various programming languages (Python, JavaScript, Go, PHP, etc.) and a main area with a code editor and an output window. The code editor shows the following Java code:

```
1 import java.util.*;
2 public class vote
3 {
4     public static void main(String args[])
5     {
6         Scanner s=new Scanner(System.in);
7         int age;
8         System.out.println("enter age");
9         age=s.nextInt();
10        if(age>=18)
11            System.out.println(age + "eligible to vote");
12        else
13            System.out.println(age + "not eligible to vote");
14    }
15 }
```

The output window shows the following text:

```
java -cp /tmp/6hLScpBRf4 vote
enter age20
20eligible to vote
```

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7.positive,negative,zero

```
import java.util.*;

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

        int num;

        System.out.println("enter a number");

        num=s.nextInt();

        if(num>0)

            System.out.println(num+"is positive");

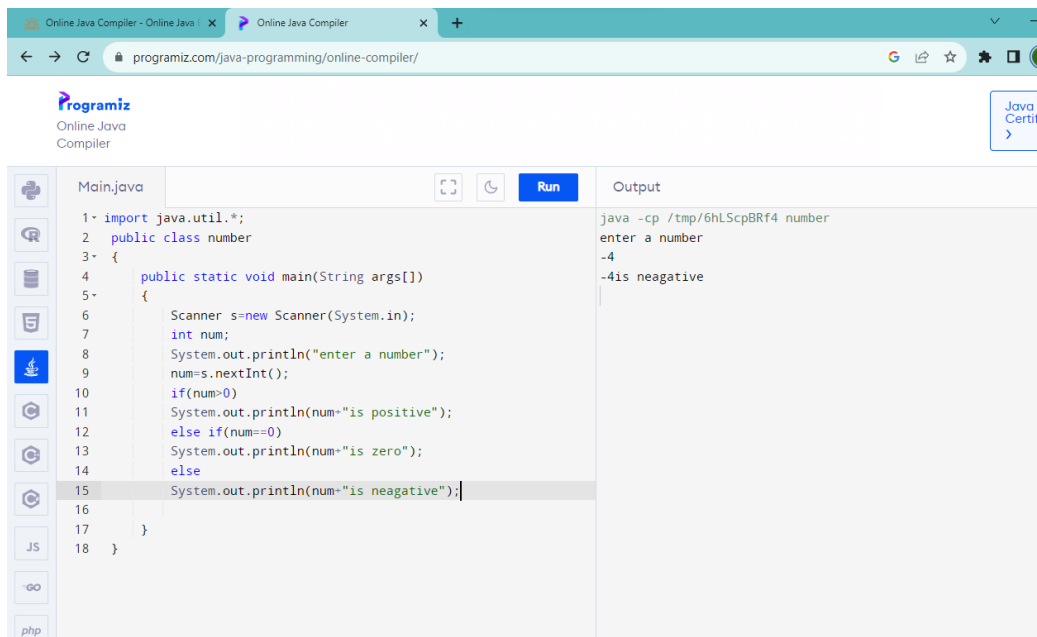
        else if(num==0)

            System.out.println(num+"is zero");

        else

            System.out.println(num+"is neagative");

    }
}
```



The screenshot displays the Programiz Online Java Compiler web application. The browser's address bar shows the URL `programiz.com/java-programming/online-compiler/`. The interface includes a sidebar with icons for various programming languages (Python, JavaScript, PHP, etc.) and a main editor area. The editor contains the following Java code:

```
1- import java.util.*;
2- public class number
3- {
4-     public static void main(String args[])
5-     {
6-         Scanner s=new Scanner(System.in);
7-         int num;
8-         System.out.println("enter a number");
9-         num=s.nextInt();
10-         if(num>0)
11-             System.out.println(num+"is positive");
12-         else if(num==0)
13-             System.out.println(num+"is zero");
14-         else
15-             System.out.println(num+"is neagative");
16-     }
17- }
18- }
```

The code is executed, and the output is displayed in the right-hand pane:

```
java -cp /tmp/6hLScpBRf4 number
enter a number
-4
-4is neagative
```

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8.College name and dept

```
import java.util.*;

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

        String clg,dept;

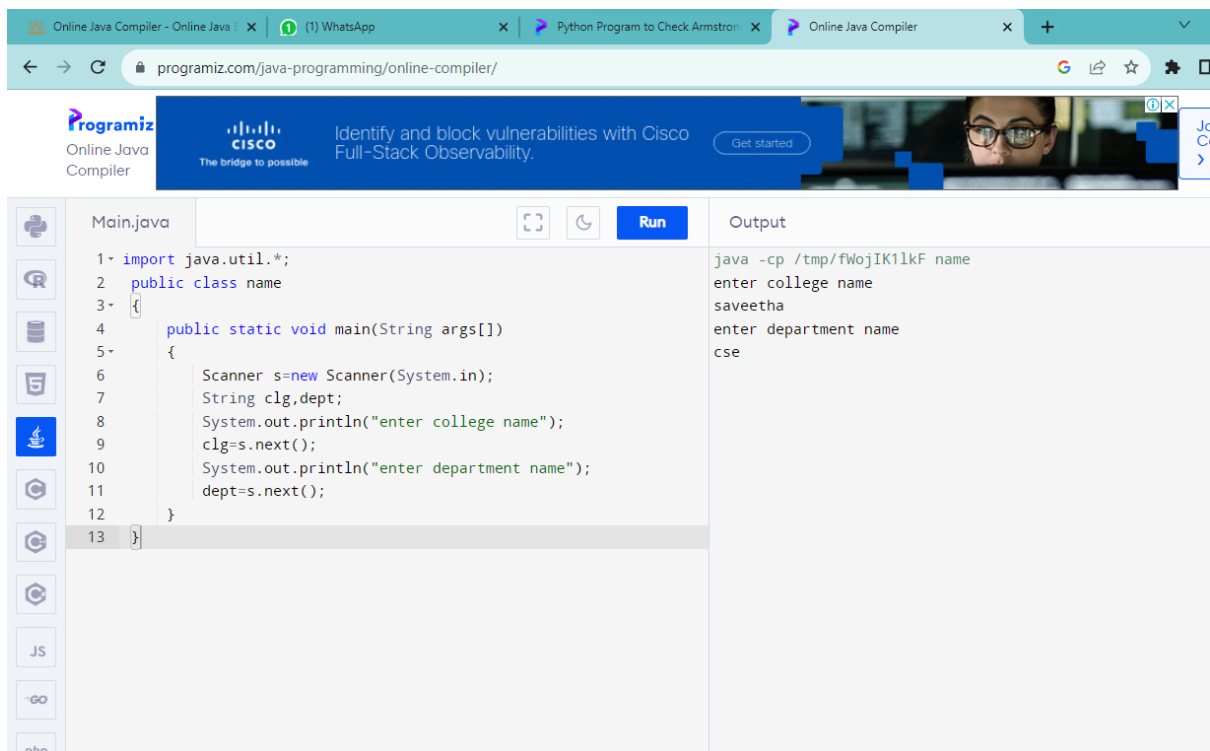
        System.out.println("enter college name");

        clg=s.next();

        System.out.println("enter department name");

        dept=s.next();

    }
}
```



The screenshot displays the Programiz Online Java Compiler interface. The browser's address bar shows the URL `programiz.com/java-programming/online-compiler/`. The interface includes a sidebar with icons for various programming languages (Python, JavaScript, PHP, etc.) and a main editor area. The editor shows a Java file named `Main.java` with the following code:

```
1 import java.util.*;
2 public class name
3 {
4     public static void main(String args[])
5     {
6         Scanner s=new Scanner(System.in);
7         String clg,dept;
8         System.out.println("enter college name");
9         clg=s.next();
10        System.out.println("enter department name");
11        dept=s.next();
12    }
13 }
```

Below the code editor, the `Run` button is visible. To the right, the `Output` panel shows the execution results:

```
java -cp /tmp/fWojIK1kF name
enter college name
saveetha
enter department name
cse
```

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9.Sum of number

```
public class sum
{
    public static void main(String[] args)
    {
        int i, num = 5, sum = 0;
        for(i = 1; i <= num; ++i)
        {
            sum = sum + i;
        }
        System.out.println("Sum is = " + sum);
    }
}
```

The screenshot shows a web browser with the URL `programiz.com/java-programming/online-compiler/`. The page features a banner for Programiz with the text "LOOKING TO LEARN PROGRAMMING? Start your programming journey with Programiz AT NO COST." and a "Java Certification" button. Below the banner is the online compiler interface. The code editor on the left shows a Java program named `Main.java` with the following code:

```
1 public class sum
2 {
3     public static void main(String[] args)
4     {
5         int i, num = 5, sum = 0;
6         for(i = 1; i <= num; ++i)
7         {
8             sum = sum + i;
9         }
10        System.out.println("Sum is = " + sum);
11    }
12 }
```

The `Run` button is highlighted. The output panel on the right shows the command `java -cp /tmp/qKB2e92Y0g sum` and the output `Sum is = 15`. A `Clear` button is also present in the output panel.

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10.factorial

```
import java.util.*;
```

```
public class factorial
```

```
{
```

```
    public static void main(String args[])
```

```
    {
```

```
        Scanner s=new Scanner(System.in);
```

```
        int i,n,fact=1;
```

```
        System.out.println("enter number");
```

```
        n=s.nextInt();
```

```
        for(i=1;i<=n;i++)
```

```
            fact=fact*i;
```

```
        System.out.println(fact);
```

```
    }
```

```
}
```

The screenshot displays the Programiz Online Java Compiler interface. At the top, there's a navigation bar with the Programiz logo and a promotional banner for a motorcycle. Below this, the main workspace is divided into two panels. The left panel, titled 'Main.java', contains the Java code for calculating a factorial. The code imports the Scanner class, defines a public class 'factorial', and includes a main method that prompts the user for a number, reads it, and calculates the factorial using a for loop. The right panel, titled 'Output', shows the command 'java -cp /tmp/oddE6BVZA7 factorial' and the resulting output: 'enter number', '5', and '120'. A 'Run' button is visible between the two panels. The browser's address bar shows the URL 'programiz.com/java-programming/online-compiler/'.

```
1 import java.util.*;
2 public class factorial
3 {
4     public static void main(String args[])
5     {
6         Scanner s=new Scanner(System.in);
7         int i,n,fact=1;
8         System.out.println("enter number");
9         n=s.nextInt();
10        for(i=1;i<=n;i++)
11            fact=fact*i;
12        System.out.println(fact);
13    }
14 }
```

Output

```
java -cp /tmp/oddE6BVZA7 factorial
enter number
5
120
```

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11.Prime number

```
import java.util.*;

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

        int i,n,count=0,sum=0;

        System.out.println("enter number");

        n=s.nextInt();

        for(i=1;i<=n;i++)

        if(n%i==0)

        count++;

        if(count==2)

        System.out.println("is prime");

        else

        System.out.println("is not prime");

    }
}
```

The screenshot shows a web browser window with the URL `programiz.com/java-programming/online-compiler/`. The page features the Programiz logo and a "Java Certification" button. The main area is divided into two panels: "Main.java" on the left and "Output" on the right. The "Main.java" panel contains the following code:

```
1- import java.util.*;
2- public class prime
3- {
4-     public static void main(String args[])
5-     {
6-         Scanner s=new Scanner(System.in);
7-         int i,n,count=0,sum=0;
8-         System.out.println("enter number");
9-         n=s.nextInt();
10-        for(i=1;i<=n;i++)
11-        if(n%i==0)
12-        count++;
13-        if(count==2)
14-        System.out.println("is prime");
15-        else
16-        System.out.println("is not prime");
17-    }
18- }
```

The "Output" panel shows the execution results:

```
java -cp /tmp/oddE6BVZA7 prime
enter number
2
is prime
```

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12.Reverse

```
import java.util.*;

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

        int n,rev=0,rem;

        System.out.println("enter number");

        n=s.nextInt();

        while(n!=0)
        {
            rem=n%10;

            rev=rev*10+rem;

            n=n/10;

        }

        System.out.println(rev);

    }
}
```

The screenshot displays the Programiz Online Java Compiler interface. The browser address bar shows the URL `programiz.com/java-programming/online-compiler/`. The page features a header with the Programiz logo, a banner for 'LOOKING TO LEARN PROGRAMMING?' with the text 'Start your programming journey with Programiz AT NO COST.', and a 'Java Certification' button. The main workspace is divided into two panels: 'Main.java' on the left and 'Output' on the right. The 'Main.java' panel shows the following code:

```
1- import java.util.*;
2- public class reverse
3- {
4-     public static void main(String args[])
5-     {
6-         Scanner s=new Scanner(System.in);
7-         int n,rev=0,rem;
8-         System.out.println("enter number");
9-         n=s.nextInt();
10-        while(n!=0)
11-        {
12-            rem=n%10;
13-            rev=rev*10+rem;
14-            n=n/10;
15-        }
16-        System.out.println(rev);
17-    }
18- }
```

The 'Output' panel shows the execution results:

```
java -cp /tmp/oddE6BVZA7 reverse
enter number
123
321
```

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13.palindrome

```
import java.util.*;

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

        int num,rev=0,rem;

        System.out.println("enter number");

        num=s.nextInt();

        while(num!=0)
        {
            rem=num%10;

            rev=rev*10+rem;

            num=num/10;

        }

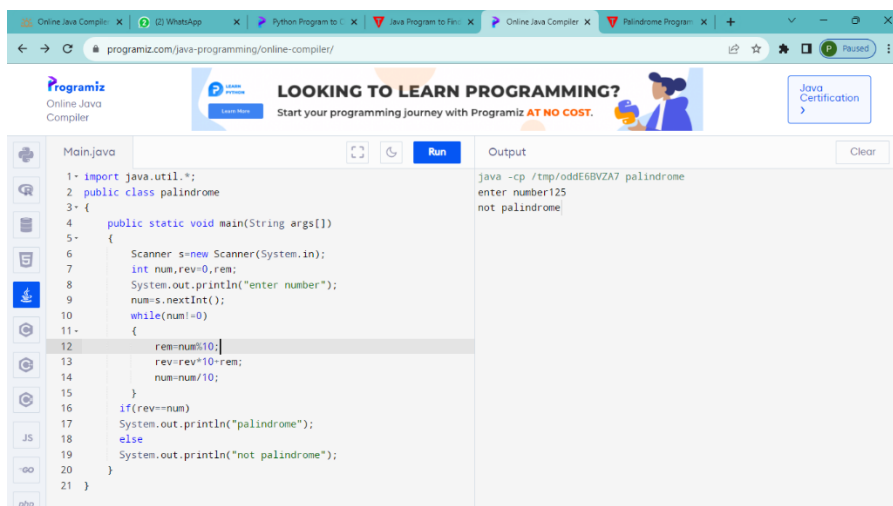
        if(rev==num)

            System.out.println("palindrome");

        else

            System.out.println("not palindrome");

    }
}
```



The screenshot displays the Programiz Online Java Compiler interface. The browser address bar shows the URL `programiz.com/java-programming/online-compiler/`. The page header includes the Programiz logo, a navigation menu, and a banner for "LOOKING TO LEARN PROGRAMMING?" with a "Learn More" button. A "Java Certification" button is also visible. The main editor area, titled "Main.java", contains the Java code for checking a palindrome. The code is as follows:

```
1 import java.util.*;
2 public class palindrome
3 {
4     public static void main(String args[])
5     {
6         Scanner s=new Scanner(System.in);
7         int num,rev=0,rem;
8         System.out.println("enter number");
9         num=s.nextInt();
10        while(num!=0)
11        {
12            rem=num%10;
13            rev=rev*10+rem;
14            num=num/10;
15        }
16        if(rev==num)
17            System.out.println("palindrome");
18        else
19            System.out.println("not palindrome");
20    }
21 }
```

The "Output" panel on the right shows the execution results:

```
java -cp /tmp/oddE6BVZA7 palindrome
enter number125
not palindrome
```

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14.Armstrong number

```
import java.util.Scanner;

class ArmstrongNum {

    public static void main(String[] args) {

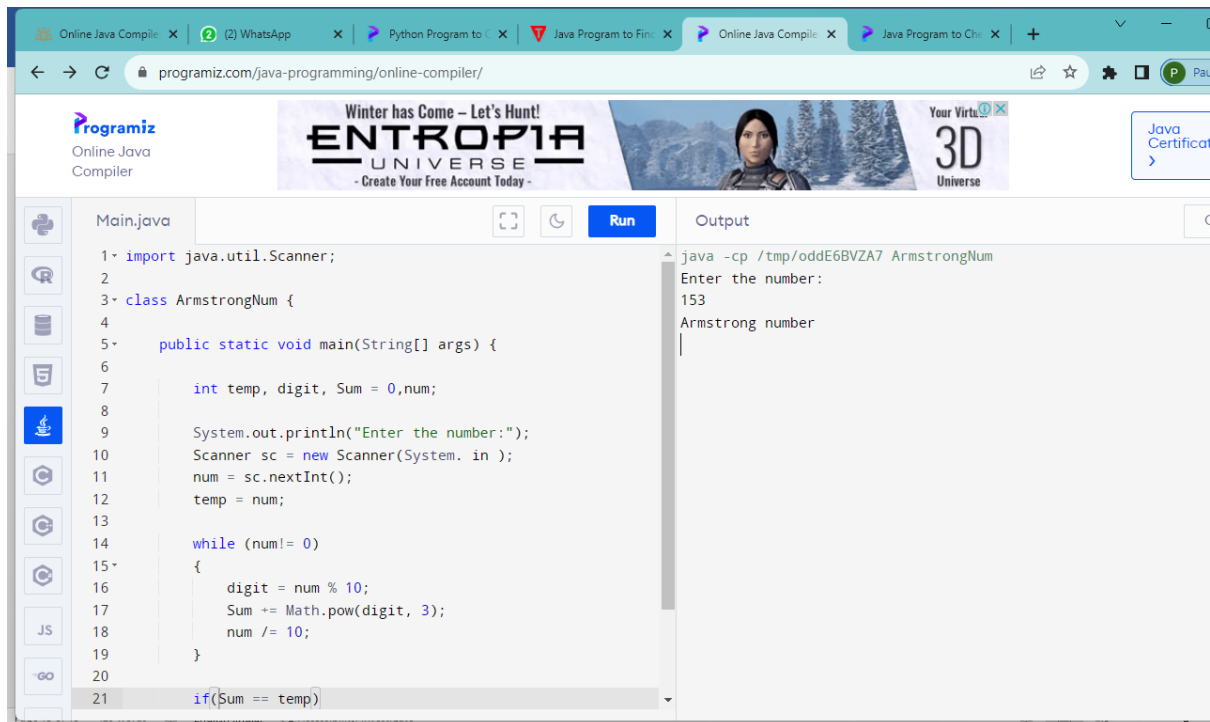
        int temp, digit, Sum = 0,num;

        System.out.println("Enter the number:");
        Scanner sc = new Scanner(System. in );
        num = sc.nextInt();
        temp = num;

        while (num!= 0)
        {
            digit = num % 10;
            Sum += Math.pow(digit, 3);
            num /= 10;
        }

        if(Sum == temp)
            System.out.println( " Armstrong number");
        else
            System.out.println( " not an Armstrong number");
        }
    }
```

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15.fibonacci series

```
import java.util.Scanner;
```

```
public class Fibonacci
```

```
{
```

```
    public static void main(String[] args)
```

```
    {
```

```
        int n, a = 0, b = 0, c = 1;
```

```
        Scanner s = new Scanner(System.in);
```

```
        System.out.print("Enter value of n:");
```

```
        n = s.nextInt();
```

```
        System.out.print("Fibonacci Series:");
```

```
        for(int i = 1; i <= n; i++)
```

```
        {
```

```
            a = b;
```

```
            b = c;
```

```
            c = a + b;
```

```
            System.out.print(a+" ");
```

```
        }
```

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}

}

The screenshot displays the Programiz Online Java Compiler interface. The browser's address bar shows the URL `programiz.com/java-programming/online-compiler/`. The page header includes the Programiz logo and a 'Java Certification' link. The main workspace is divided into two panels: 'Main.java' on the left and 'Output' on the right. The 'Main.java' panel contains the following code:

```
1- import java.util.Scanner;
2- public class Fibonacci
3- {
4-     public static void main(String[] args)
5-     {
6-         int n, a = 0, b = 0, c = 1;
7-         Scanner s = new Scanner(System.in);
8-         System.out.print("Enter value of n:");
9-         n = s.nextInt();
10-        System.out.print("Fibonacci Series:");
11-        for(int i = 1; i <= n; i++)
12-        {
13-            a = b;
14-            b = c;
15-            c = a + b;
16-            System.out.print(a+" ");
17-        }
18-    }
19- }
```

The 'Output' panel shows the execution results:

```
java -cp /tmp/oddE6BVZA7 Fibonacci
Enter value of n:5
Fibonacci Series:0 1 1 2 3
```