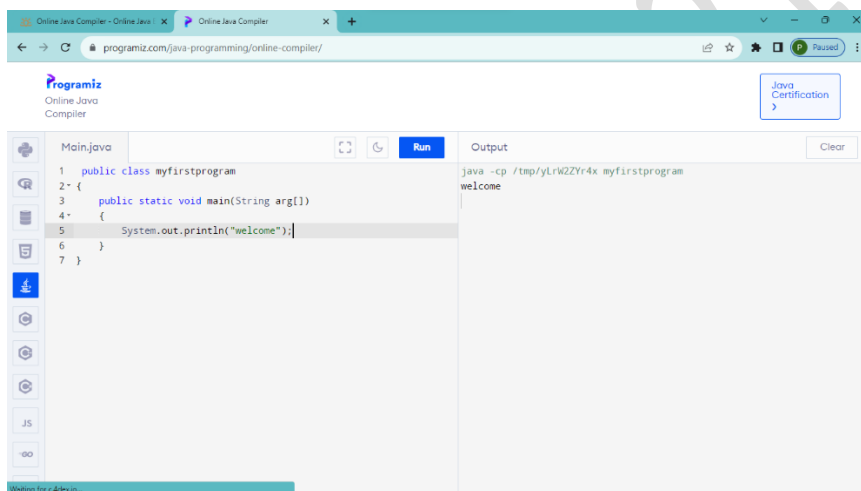


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1.To print welcome in java

```
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");

b=s.nextInt();

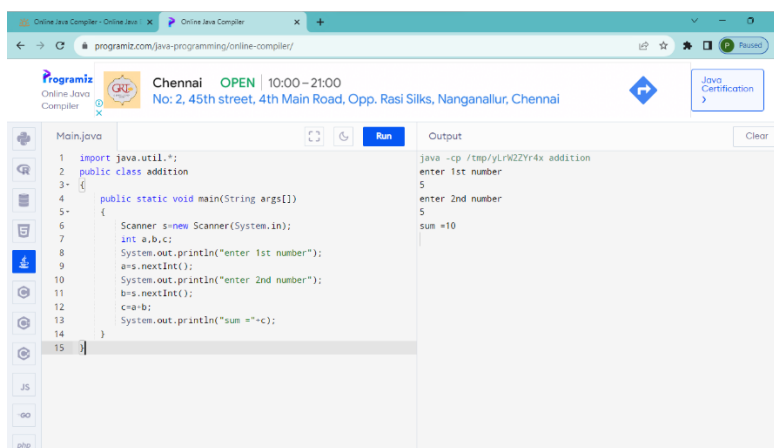
c=a+b;

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();
    }
}

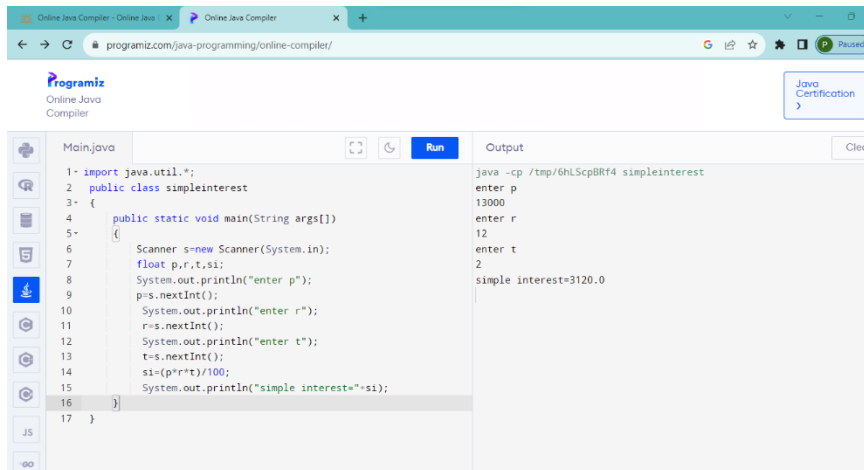
```

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

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

```
}
```

```
}
```



The screenshot shows a web browser window with the URL `programiz.com/java-programming/online-compiler/`. The page title is "Online Java Compiler". The main content area is divided into two sections: "Main.java" on the left and "Output" on the right. The "Main.java" section contains the following code:

```
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" section 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)
```

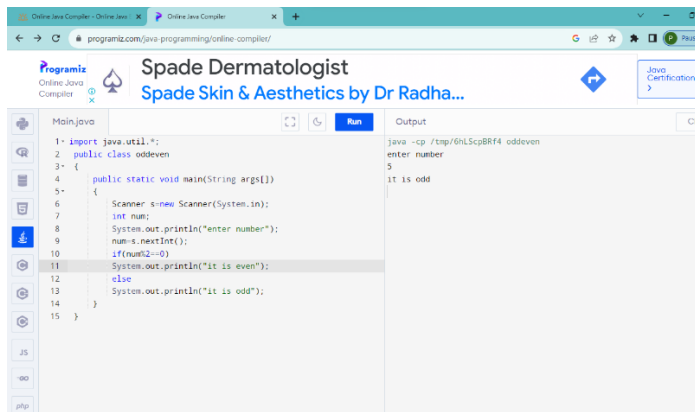
```
            System.out.println("it is even");
```

```
        else
```

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

```
    }
```

```
}
```



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");
```

```
    }
```

```
}
```

```
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-    }
```

Output

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

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");
    }
}
```

}

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();
```

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```
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");

}

}

```

```

Main.java
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 }

```

Output

```

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

```

8.College name and dept

```

import java.util.*;

public class name

{

    public static void main(String args[])

    {

        Scanner s=new Scanner(System.in);

```

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String clg,dept;

```

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

```

```

        clg=s.next();

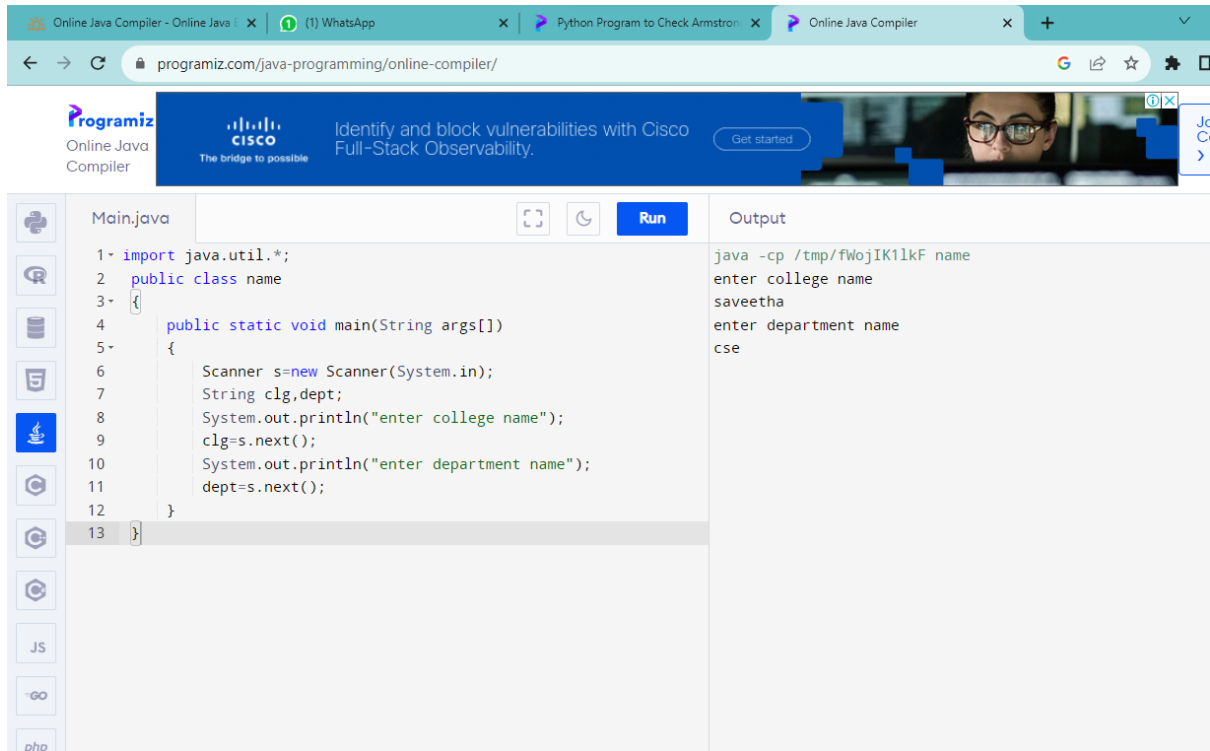
        System.out.println("enter department name");

        dept=s.next();

    }

}

```



9.Sum of number

```
public class sum
```

```
{
```

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

```
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```

```
REGNO : 192110264
```

```
{
```

```
int i, num = 5, sum = 0;
```



```

for(i = 1; i <= num; ++i)
{
    sum = sum + i;
}

System.out.println("Sum is = " + sum);
}
}

```

The screenshot shows the Programiz Online Java Compiler interface. The browser tabs include 'Online Java Compiler - Online', '(3) WhatsApp', 'Python Program to Check...', 'Online Java Compiler', and 'Java Program to Find Sum...'. The address bar shows 'programiz.com/java-programming/online-compiler/'. The main content area has a banner for 'LOOKING TO LEARN PROGRAMMING?' with a 'Learn More' button and a 'Java Certification' link. Below the banner, the 'Main.java' file is open, showing 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.

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 shows the Programiz Online Java Compiler interface. The browser address bar displays `programiz.com/java-programming/online-compiler/`. The main content area is divided into two sections: a code editor on the left and an output window on the right.

Code Editor: The file is named `Main.java`. The code is as follows:

```

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 Window: The output shows the execution of the program:

```

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

```

The interface also includes a sidebar with icons for various programming languages (Java, JS, GO, php) and a top banner for a Triumph Motorcycle advertisement.

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");

}

}

```

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 shows the Programiz Online Java Compiler interface. The browser address bar displays 'programiz.com/java-programming/online-compiler/'. The page header includes 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 editor area is titled 'Main.java' and contains the following Java 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 'Run' button is highlighted in blue. To the right of the code editor is the 'Output' panel, which shows the execution results:

```

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

```

The 'Clear' button is located at the top right of the output panel.

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 shows the Programiz Online Java Compiler interface. The main editor displays the following Java code:

```

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 window on the right shows the following text:

```

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

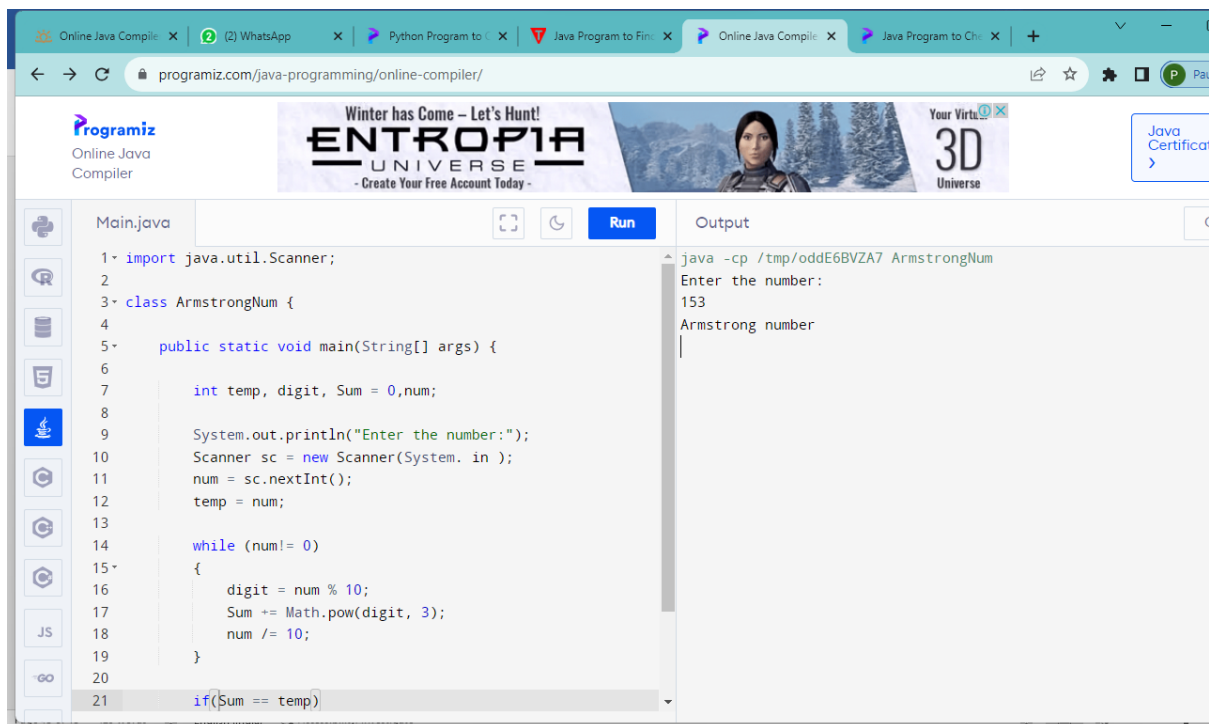
```

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");  
    }  
}
```



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+" ");
```

```
        }
```

```
}  
  
}
```

Online Java Compiler interface showing a Java program to calculate the Fibonacci series.

Programiz Online Java Compiler

Main.java

```
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- }
```

Output

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

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