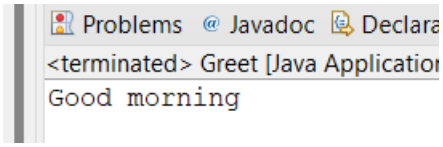
Methods

Program 1 :

//No return type no parameter method

```
package src;
public class Greet {
	public static void sayhello()
	{
	System.out.println("Good morning");
	}
	public static void main(String[] args) {
	sayhello();
	}

}
```

Output:

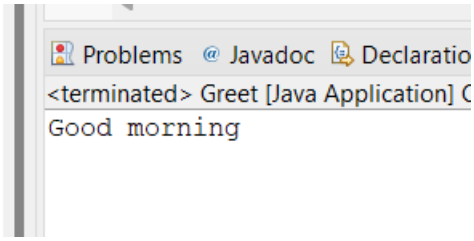


Program 2 :

//no return type with parameter method

```
package src;

public class Greet1 {
	public class SayHello {
		public static void sayHello(String user)
		{
		System.out.println("Hello"+user);
		}
		public static void main(String[] args) {
		sayHello("bunny");
		sayHello("alia");
		}
	}
}
```

Output:

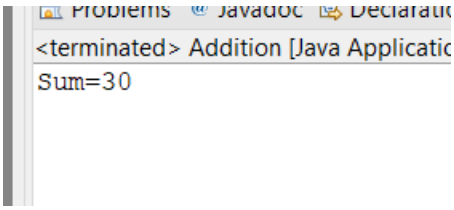


Program 3:

//return type with parameter method

```
package src;
public class Addition {
	public static int findSum(int a , int b)
	 {
	  int sum=a+b;
	  return sum;
	  }
	 public static void main(String[] args)
	 {
	  int s=findSum(20,10);
	  System.out.println("Sum="+s);
	 }

}
```

Output:



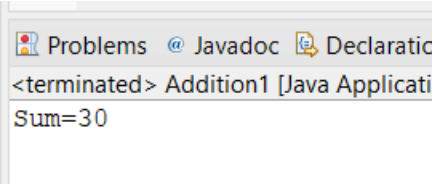
Program 4:

//Return type with no parameter

```
package src;

public class Addition1 {
	public static int findSum()
	 {
	  int a=10;
	  int b=20;
	  int sum=a+b;
	  return sum;
	  }
	 public static void main(String[] args)
	 {
```

```
        int s=findSum();
        System.out.println("Sum="+s);
       }

}
```

Output:

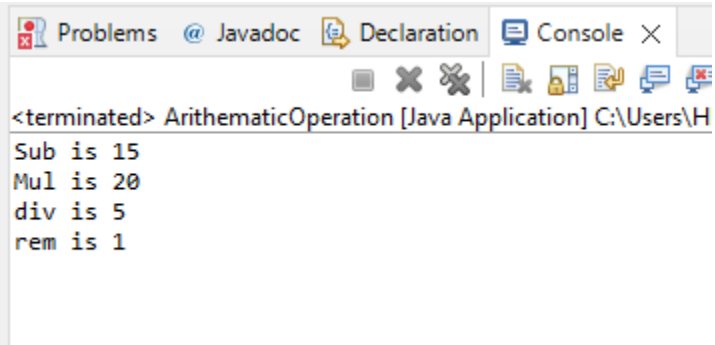


Program 5:

```
package ArithematicOperation;

public class ArithematicOperation {

 public static int subtractNumbers(int num1 ,int num2)

        {

          int s= num1-num2;

          return s;

         }

          public static int multipleNumbers(int num1 ,int num2)

        {

          int m= num1*num2;

          return m;

         }

          public static int divideNumbers(int num1 ,int num2)

        {

          int d= num1/num2;

          return d;

         }

          public static int findRemainder(int num1 ,int num2)
```

```
        {
          int r= num1%num2;
          return r;
         }
       public static void main(String[] args) {
       System.out.println("Sub is " +subtractNumbers(20,5));
       System.out.println("Mul is "+multipleNumbers(4,5));
       System.out.println("div is "+divideNumbers(20,4));
       System.out.println("rem is "+findRemainder(10,3));
       }
}
```

output:

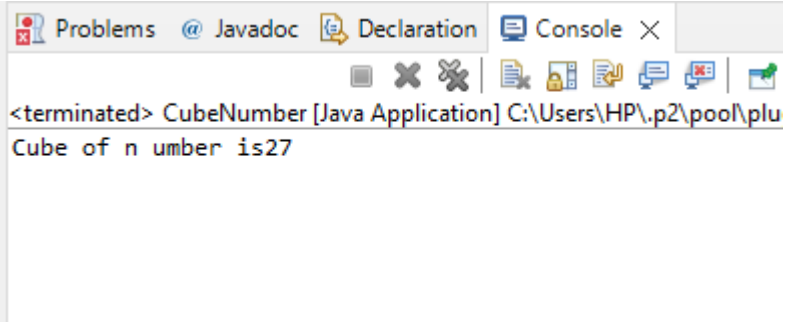


Program 6:

```
package cubenumber;
public class CubeNumber {
       public static int cubeNumber(int num)
       {
              int cube = num*num*num;
              return cube;
       }
       public static void main(String[] args)
       {
```

```
            int c = cubeNumber(3);
            System.out.println(c);
        }

}
```

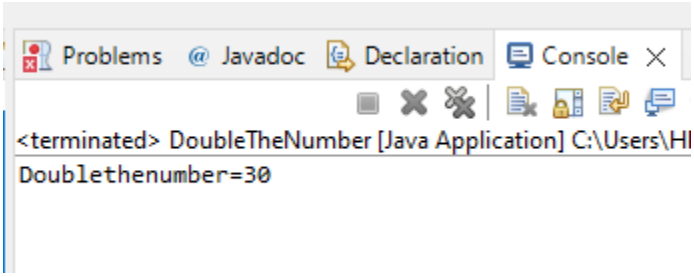
Output:



Program 7:

```
package DoubleTheNumber;
public class DoubleTheNumber {
        public static int doubleTheNumber(int num) {

          int number= num*2;
          return number;
        }
        public static void main(String[] args) {
            int res=doubleTheNumber(15);
            System.out.println("Doublethenumber="+res);
        }
}
```

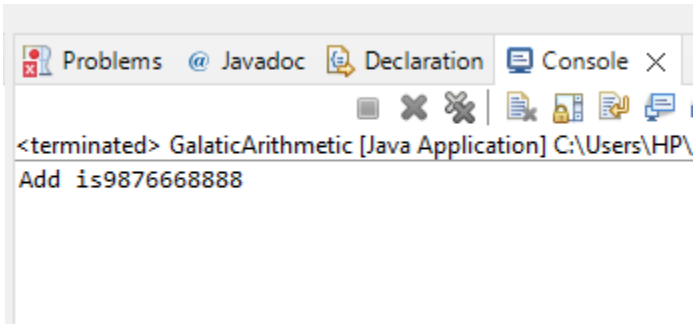
Output:



Program 8:

```
package galaticarithmetic;

public class GalaticArithmetic {

public static long galaticAddition(long num1 ,long num2)

	{

		long num = num1+num2;

		return num;

	}

	public static void main(String[]args)

	{

		long n = galaticAddition(125678,9876543210L);

		System.out.println("Add is"+n);

	}


}
```

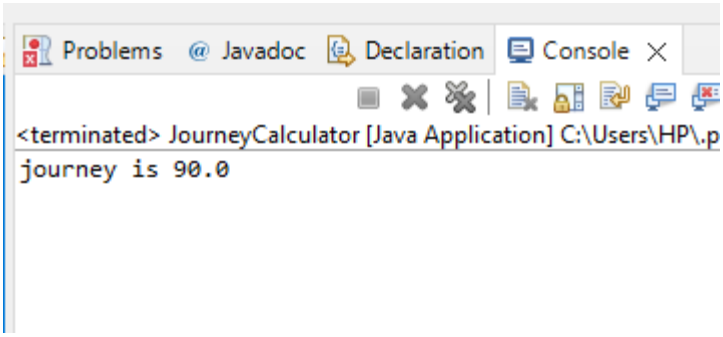
Output:



Program 9

```
package JourneyCalculator;

public class JourneyCalculator {

	public double calculateDistance(double speed, double time)

	{

		double journey = speed*time;

		return journey;

	}

	public static void main(String[] args)

	{

		JourneyCalculator JourneyCalculator = new JourneyCalculator();

		System.out.println("journey is
"+JourneyCalculator.calculateDistance(60.0, 1.50));



	}


}
```

Output:

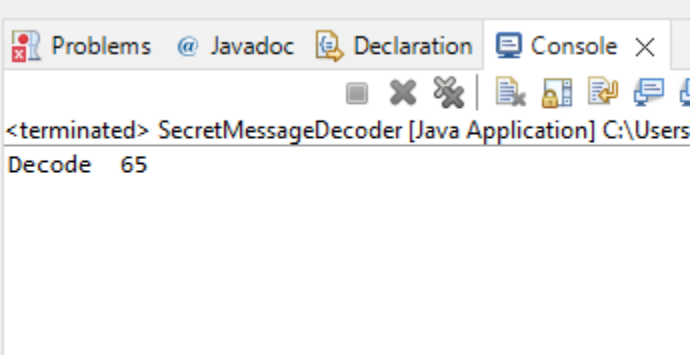


Program 10:

```
package secretmessagedecoder;

public class SecretMessageDecoder {

	public int decodeCharacter(char c)

	{

			int code =  c;
```

```
                return code;
        }
    public static void main(String[]args)
    {
        SecretMessageDecoder decoder = new SecretMessageDecoder();

        System.out.println("Decode  "+decoder.decodeCharacter('A'));
    }

}
```

Output:

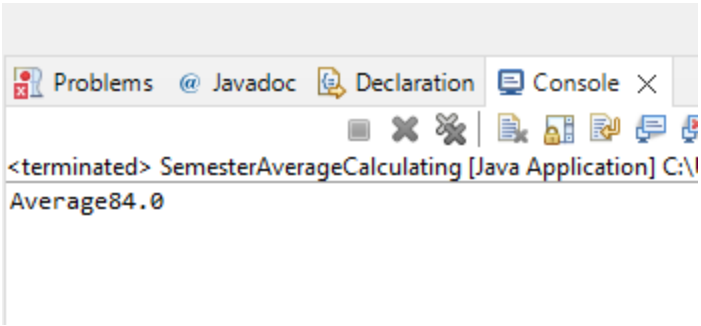


Program 11:

```
package semesteravaeragecalculating;

public class SemesterAverageCalculating {

    public static double calculateAverage(int sem1,int sem2,int sem3,int sem4,int
sem5,int sem6,int sem7,int sem8)
    {
        int sum = (sem1+sem2+sem3+sem4+sem5+sem6+sem7+sem8);
        double Ave = sum/8;
        return Ave;
    }
    public static void main(String[]args)
    {
```

```
        double avg = calculateAverage(85, 79, 91, 76, 88, 95, 80, 85);
        System.out.println("Average"+avg);
    }
}
}
```

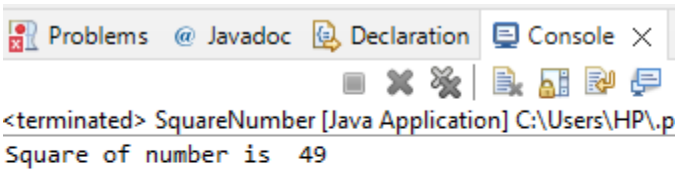
Output:



Program 12:

```
package squarenumber;
public class SquareNumber {
    public static int squareNumber(int num)
    {
        int sqnum = num*num;
        return sqnum;
    }
    public static void main(String[]args)
    {
        int sq = squareNumber(7);
        System.out.println("Square of number is  "+sq);
    }

}
```

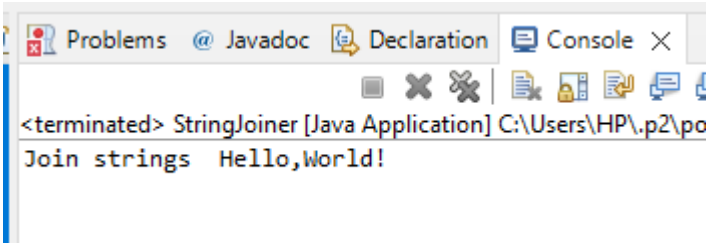
Output:



Program 13:

```
package StringJoiner;

public class StringJoiner {

	public static String joinStrings(String str1,String str2)

	{

		String str = str1+str2;

		return str;


	 }

	public static void main(String[]args)

	{

		String j = joinStrings("Hello," , "World!");

		System.out.println("Join strings  " +j);

	}


}
```

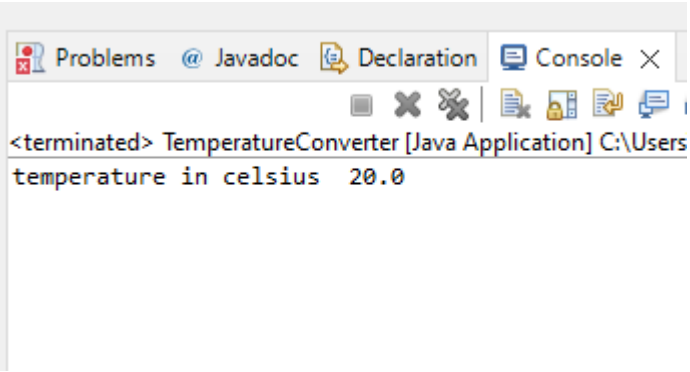
Output:



Program 14:

```
package temperatureconverter;


public class TemperatureConverter {
	public double converttFahrenheitToCelsiu(double fahrenhiet)
	{
		double c = ((fahrenhiet-32)*5/9);
		return c;
	}
	public static void main(String[]args)
	{
		TemperatureConverter temperatureConverter = new TemperatureConverter();


		System.out.println("temperature in celsius
"+temperatureConverter.converttFahrenheitToCelsiu(68.0));


	}


}
```

Output:

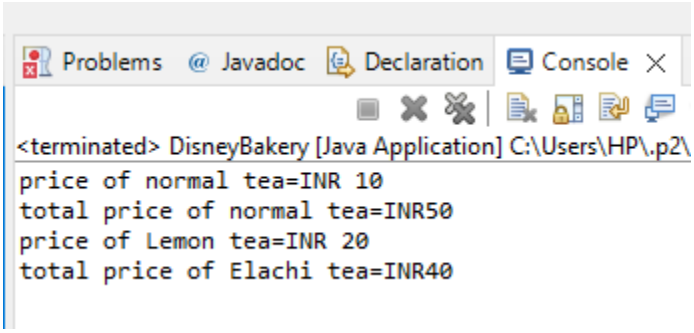


Program 15:

```
package bakery;

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

```
 {
   serveTea();
   serveTea(5);
   serveTea("Lemon");
   serveTea("Elachi",2);
 }
public static void serveTea()
 {
   System.out.println("price of normal tea=INR 10");
 }
 public static void serveTea(int cups)
 {
   System.out.println("total price of normal tea=INR"+(10*cups));
 }
 public static void serveTea(String ingredient)
 {
   System.out.println("price of "+ingredient+" tea=INR 20" );
 }
 public static void serveTea(String ingredient,int cups)
 {
   System.out.println("total price of "+ingredient+" tea=INR"+(20*cups));
 }

}
```

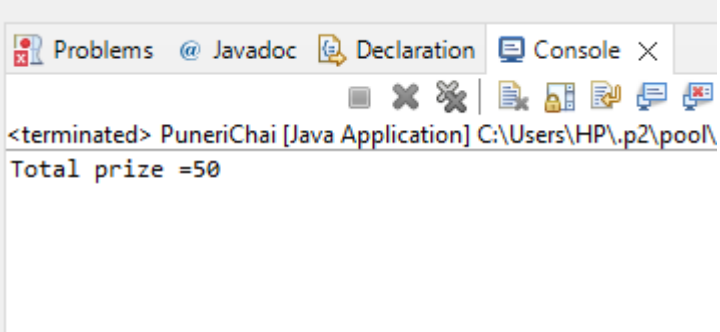
Output:



Program 16:

```
package bakery;

public class PuneriChai {

        public static void main(String[]args)
         {
           serveTea(5);
         }
         public static void serveTea(int cups)
         {
           System.out.println("Total prize ="+(10*cups));
         }


       }
```

Output:



Program 17:

```
package ArithematicOperation;


public class Calculator {


          public static void main(String[]args)
          {
            Calculator.add();
          }
         public static void add()
          {
            int a=10,b=20;
            int c = a+b;
            System.out.println("Sum=" + c);
           }
}
```

Output: