1. Write a program to demonstrate method overloading with 3 different parameters.

```java
ANS:  class sum{

    int s(int a,int b){
        return a+b;
    }

    int s(int a,int b,int c){
        return a+b+c;
    }

    double s(double a,double b){
        double ans=a+b;
        return ans;
    }
}


public class overload {


    public static void main(String[] args) {

        sum a=new sum();
        sum b=new sum();

        System.out.println(a.s(1,2));
        System.out.println(a.s(3,4,5));

        System.out.println(b.s(1.23, 3.99));
    }

}
```

2. Write a program to create an object of an class which contain a method and call that class method in

main method.

```java
Ans:   class sum{
```

```java
    int s(int a,int b){
        return a+b;
    }

}


public class overload {


    public static void main(String[] args) {

        sum a=new sum();

        System.out.println(a.s(1,2));

    }

}
```

3   Write a Java program to calculate the sum of all elements in an integer array?

```java
Ans:    class sum{
    int s(int a,int b){
        return a+b;
    }

    int s(int a,int b,int c){
        return a+b+c;
    }

    double s(double a,double b){
        double ans=a+b;
        return ans;
    }
}


public class overload {


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

```java
        sum a=new sum();
        sum b=new sum();

        System.out.println(a.s(1,2));
        System.out.println(a.s(3,4,5));

        System.out.println(b.s(1.23, 3.99));
    }

}
```

4. Write a Java program to find the index of a specific element in an integer array.?

```java
Ans:



public class array {



    public static void main(String[] args) {

        int arr={1,2,3,4,5,6};
      Scanner sc=new Scanner(System.in);
      Int n=sc.nextInt();
      For(int i=0;i<arr.length;i++){
      If(arr[i]==n){
      System.out.println(i);
      Break;}
      Else{continue;}
    }

}
```

5. Write a Java program to print an entire array?

Ans: public static void main(String []args){

         Int arr={1,3,45,23,54,6};

         For(int i:arr){

         System.out.println(i);} }