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Main.java

```java
import java.io.*;

class Main {
    public static void main(String args[])
    {
        int arr[] = { 1, 2, 3, 4, 5, 6 };
        int even = 0, odd = 0;

        // Loop to find even, odd sum
        for (int i = 0; i < arr.length; i++) {
            if (i % 2 == 0)
                even += arr[i];
            else
                odd += arr[i];
        }

        System.out.println("Even index positions sum: " + even);
        System.out.println("Odd index positions sum: " + odd);
    }
}
```

input

```
Even index positions sum: 9
odd index positions sum: 12


...Program finished with exit code 0
Press ENTER to exit console.
```

Write Java programs to accept an array of size n from the user. Find the sum of even indices (ie 0, 2, 4...) and sum of odd indices (1, 3, 5, ...) and print the same.

Algorithm.

Step 1 :- Declare n input the numbers and initialize even = 0 and odd = 0

Step 2 :- Write a for loop of (int i = 0; i < arr.length; i+

Step 3 :- and put a if the condition

Step 4 :- Write print statement for sum of even and odd respectively.

```
Import java.io.*;
Class main {
  Public static void main (String args[])
  {
int arr[] = {1,2,3,4,5,6};
int even = 0, odd = 0;
// Loop to find even, odd sum for
   (int i=0; i<arr.length; i++)
  {
    if (i%2 == =0)
      even + = arr[i];
    else
      odd + = arr[i];
  }
System.out.println ("Even index positions sum:" + even);
System.out.println ("odd index positions sum:" + odd);
  }
}
```

Main.java

Language Java

```java
public class Main
{
    public static void main(String[] args)
    {
        int number=0;
        if(number > 0)
        {
            System.out.println(number+" is a positive number");
        }
        else if(number < 0)
        {
            System.out.println(number+" is a negative number");
        }
        else
        {
            System.out.println(number+" is neither positive nor negative");
        }
    }
}
```

input

```
0 is neither positive nor negative


...Program finished with exit code 0
Press ENTER to exit console.
```

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Main.java

```java
public class Main
{
    public static void main(String[] args)
    {
        int number=12;
        if(number > 0)
        {
            System.out.println(number+" is a positive number");
        }
        else if(number < 0)
        {
            System.out.println(number+" is a negative number");
        }
        else
        {
            System.out.println(number+" is neither positive nor negative");
        }
    }
}
```

input

```
12 is a positive number


...Program finished with exit code 0
Press ENTER to exit console.
```

Main.java

```java
public class Main
{
    public static void main(String[] args)
    {
        int number=-12;
        if(number > 0)
        {
            System.out.println(number+" is a positive number");
        }
        else if(number < 0)
        {
            System.out.println(number+" is a negative number");
        }
        else
        {
            System.out.println(number+" is neither positive nor negative");
        }
    }
}
```

input

```
-12 is a negative number


...Program finished with exit code 0
Press ENTER to exit console.
```

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Output:-

Even index positions sum 9

odd index positions sum 12

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Write Java programs to Accept an array of n integers. Find the number of positive numbers, negative numbers and zeros

Algorithm :-

Step 1 :- Declare number = 12

Step 2 :- Put a if else if condition to chek if the numbers are negative or positive or zero

Step 3 :- Print the corresponding results.

```
Public class main
{
Public static void main ( String [ ] args )
{
int number = 12
if (number > 0)
{
System.out.println (number + " is a positive number");
}
else if (number < 0)
{
System.out.println (number + " is a negative number");
}
else
{
System.out.println (number + " is neither positive nor
negative");
}
}
}
```