

Ques 5

DARSHAN NINGITHOBIAN
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```
import java.util.Scanner
```

```
class prog 5 {
```

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

```
{  
    int n;
```

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

```
    System.out.print("Enter the number of elements  
in the array:");
```

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

```
    double array[] = new double[n];
```

```
    System.out.println("Enter the elements of the  
array:");
```

```
    int i;
```

```
    for(i=0; i<n; i++)
```

```
{  
    array[i] = xx.nextDouble();  
}
```

```
    double neg[] = new double[n];
```

```
    double pos[] = new double[n];
```

```
    int count_neg = 0, count_pos = 0, count_zero = 0;
```

```
    for(i=0; i<n; i++)
```

```
{  
    if (array[i] >= 0)  
    {  
        count_zero++;  
    }  
}
```

```

else if (array[i] > 0)
{
    pos[count_pos] = array[i];
    count_pos++;
}
else
{
    neg[count_neg] = array[i];
    count_neg++;
}
}

```

System.out.println("The number of positive numbers
are "+count_pos+" and they are:");

```

for(i=0; i<count_pos; i++)

```

```

{
    System.out.println(pos[i]);
}

```

System.out.println("The number of negative
numbers are "+count_neg+" and
they are:");

```

for(i=0; i<count_neg; i++)

```

```

{
    System.out.println(neg[i]);
}

```

System.out.println("The number of zeros are"
+count_zero);

```

}

```

```

}

```