Name: Punam Motewar

PRN:064

SET: 1

Q1.

```java
package demo1;

public class Q1 {

    public static int[] segrigate(int[] arr) {
        int n=arr.length;
        int[] result=new int[n];
        int left=0, right=n-1;
        for(int num:arr) {
            if(num<0) {
                result[left++]=num;

            }
            else {
                result[right--]=num;
            }

        }
        return result;

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

```java
            int[] arr= {19,-13,15,-12,-18,-16,1,3};

            int[] segrigated=segrigate(arr);

            for(int num:segrigated) {

                    System.out.println(num +" ");

            }



    }


}
```

Q2.

```java
package demo1;


import java.util.Scanner;


public class Q2 {


    public static void main(String[] args) {

            Scanner sc=new Scanner(System.in);

            int[] arr=new int[5];

            System.out.println("Enter a five numbers");

            for(int i=0;i<5;i++) {

                    arr[i]=sc.nextInt();

            }

            System.out.println("Enter number to check:");

            int num=sc.nextInt();


            boolean found=false;
```

```java
				for(int i=0;i<5;i++) {
					if(arr[i]==num) {
						found=true;
						break;
					}
				}
if(found) {
	System.out.println("number exist in array");


}
else {
	System.out.println("number not exist");
}
	sc.close();


}
}
```