Practical No:07

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Objective: WAP find smallest and largest element of the array.

Code :

```java
import java.util.Scanner;
class _01_minMax{
    public static void main(String[] args) {
        Scanner sc= new Scanner(System.in);
        int arr[];
        int min= Integer.MAX_VALUE;
        int max= Integer.MIN_VALUE;
        arr= new int[10];
        for (int i=0; i<arr.length; i++) {
            System.out.print("Enter the arr["+ (i)+ "]: ");
            arr[i]= sc.nextInt();
            if (arr[i]>max)max= arr[i];
            if (arr[i]<min)min= arr[i];
        }
        System.out.println("Maximum element is: "+ max);
        System.out.println("Minimum element is: "+ min);
    }
}
```

Output:

PS D:\java-file_21oct2k21deepankar> cd "d:\java-file_21oct2k21deepankar\" ; if ($?) { javac _01_minMax.java } ; if ($?) { java _01_minMax }

Enter the arr[0]: 4

Enter the arr[1]: 5

Enter the arr[2]: 6

Enter the arr[3]: 23

Enter the arr[4]: 2

Enter the arr[5]: 144

Enter the arr[6]: 2

Enter the arr[7]: 456
Enter the arr[8]: 2
Enter the arr[9]: 14
Maximum element is: 456
Minimum element is: 2