

PRACTICAL-5(A)

Aim: Write a program to print first N numbers in ascending and descending order, where N is user input.

CODE:

```
import java.util.Scanner;

public class p5a {

    public static void main(String[] args) {

        Scanner s=new Scanner(System.in);

        int n,i,j,temp;

        System.out.println("enter the no. of element:");

        n=s.nextInt();

        int a[]=new int[n];

        System.out.println("enter the value of "+n+" element:");

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

        {

            a[i]=s.nextInt();

        }

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

        {

            for(j=i+1;j<n;j++)

            {

                if(a[i]>a[j])

                {

                    temp=a[i];

                    a[i]=a[j];

                    a[j]=temp;

                }

            }

        }

    }

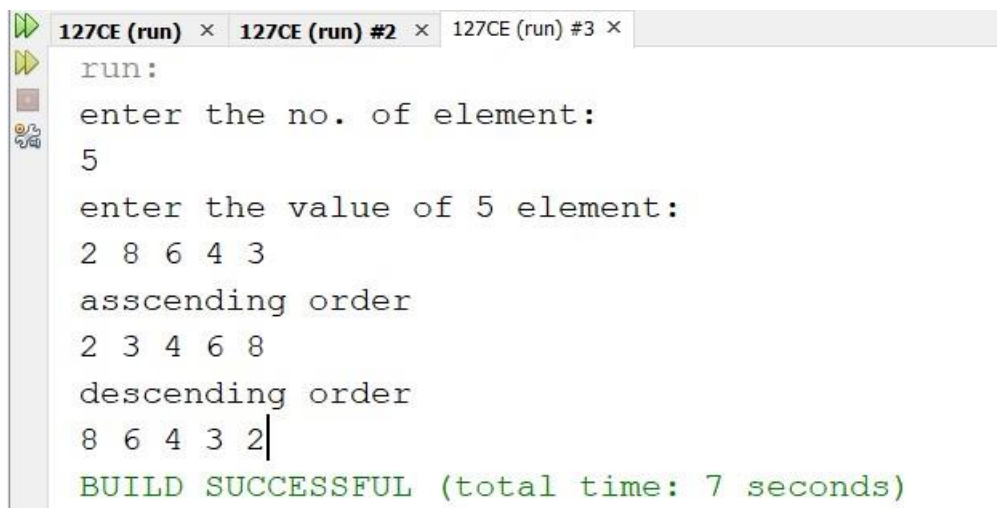
}
```

```
        a[j]=temp;
    }
}
}System.out.println("asscending order");
for(i=0;i<n;i++)
{
    System.out.print(a[i]+" ");

}
System.out.println("");

for(i=0;i<n;i++)
{
    for(j=i+1;j<n;j++)
    {
        if(a[i]<a[j])
        {
            temp=a[i];
            a[i]=a[j];
            a[j]=temp;
        }
    }
}System.out.println("descending order");
for(i=0;i<n;i++)
{
```

```
        System.out.print(a[i]+" ");  
  
    }  
  
    System.out.println("");  
  
}  
  
}
```

OUTPUT:

```
run:  
enter the no. of element:  
5  
enter the value of 5 element:  
2 8 6 4 3  
asscending order  
2 3 4 6 8  
descending order  
8 6 4 3 2|  
BUILD SUCCESSFUL (total time: 7 seconds)
```