```
enter the elements of stack 1 :

Enter 1 for push
Emter 2 for pop
Enter 3 for display
Enter 0 for exit
1
Enter the element : 1

Enter 1 for push
Emter 2 for pop
Enter 3 for display
Enter 0 for exit
1
Enter the element : 6

Enter 1 for push
Emter 2 for pop
Enter 3 for display
Enter 0 for exit
1
Enter the element : 2

Enter 1 for push
Emter 2 for pop
Enter 3 for display
Enter 0 for exit
1
Enter the element : 5

Enter 1 for push
Emter 2 for pop
Enter 3 for display
Enter 0 for exit
1
Enter the element : 3

Enter 1 for push
Emter 2 for pop
Enter 3 for display
Enter 0 for exit
```

```
Enter 0 for exit
1
Enter the element : 3

Enter 1 for push
Emter 2 for pop
Enter 3 for display
Enter 0 for exit
1
Enter the element : 5

Enter 1 for push
Emter 2 for pop
Enter 3 for display
Enter 0 for exit
3
The stack is :
5
3
5
2
6
1

Enter 1 for push
Emter 2 for pop
Enter 3 for display
Enter 0 for exit
0
enter the elements of stack 2 :

Enter 1 for push
Emter 2 for pop
Enter 3 for display
Enter 0 for exit
1
Enter the element : 6

Enter 1 for push
Emter 2 for pop
Enter 3 for display
Enter 0 for exit
1
```

```
enter the elements of stack 2 :

Enter 1 for push
Emter 2 for pop
Enter 3 for display
Enter 0 for exit
1
Enter the element : 6

Enter 1 for push
Emter 2 for pop
Enter 3 for display
Enter 0 for exit
1
Enter the element : 5

Enter 1 for push
Emter 2 for pop
Enter 3 for display
Enter 0 for exit
1
Enter the element : 4

Enter 1 for push
Emter 2 for pop
Enter 3 for display
Enter 0 for exit
1
Enter the element : 3

Enter 1 for push
Emter 2 for pop
Enter 3 for display
Enter 0 for exit
1
Enter the element : 2

Enter 1 for push
Emter 2 for pop
Enter 3 for display
Enter 0 for exit
1
Enter the element : 1
```

```
Enter 1 for push
Emter 2 for pop
Enter 3 for display
Enter 0 for exit
1
Enter the element : 2

Enter 1 for push
Emter 2 for pop
Enter 3 for display
Enter 0 for exit
1
Enter the element : 1

Enter 1 for push
Emter 2 for pop
Enter 3 for display
Enter 0 for exit
3
The stack is :
1
2
3
4
5
6

Enter 1 for push
Emter 2 for pop
Enter 3 for display
Enter 0 for exit
0
Merged list is :
11
8
9
5
8
2
PS E:\divyanshu collage\datastructureslab\New folder (2)>
```

OUTPUT 2: -

```
enter the elements of stack 1 :

Enter 1 for push
Emter 2 for pop
Enter 3 for display
Enter 0 for exit
1
Enter the element : 1

Enter 1 for push
Emter 2 for pop
Enter 3 for display
Enter 0 for exit
1
Enter the element : 2

Enter 1 for push
Emter 2 for pop
Enter 3 for display
Enter 0 for exit
1
Enter the element : 3

Enter 1 for push
Emter 2 for pop
Enter 3 for display
Enter 0 for exit
1
Enter the element : 4

Enter 1 for push
Emter 2 for pop
Enter 3 for display
Enter 0 for exit
1
Enter the element : 5

Enter 1 for push
Emter 2 for pop
```

```
Enter the element : 5

Enter 1 for push
Emter 2 for pop
Enter 3 for display
Enter 0 for exit
1
Enter the element : 6

Enter 1 for push
Emter 2 for pop
Enter 3 for display
Enter 0 for exit
3
The stack is :
6
5
4
3
2
1

Enter 1 for push
Emter 2 for pop
Enter 3 for display
Enter 0 for exit
0
enter the elements of stack 2 :

Enter 1 for push
Emter 2 for pop
Enter 3 for display
Enter 0 for exit
1
Enter the element : 6

Enter 1 for push
Emter 2 for pop
Enter 3 for display
```

```
Enter the element : 6

Enter 1 for push
Emter 2 for pop
Enter 3 for display
Enter 0 for exit
1
Enter the element : 5

Enter 1 for push
Emter 2 for pop
Enter 3 for display
Enter 0 for exit
1
Enter the element : 4

Enter 1 for push
Emter 2 for pop
Enter 3 for display
Enter 0 for exit
1
Enter the element : 3

Enter 1 for push
Emter 2 for pop
Enter 3 for display
Enter 0 for exit
1
Enter the element : 2

Enter 1 for push
Emter 2 for pop
Enter 3 for display
Enter 0 for exit
1
Enter the element : 1

Enter 1 for push
Emter 2 for pop
Enter 3 for display
```

```
Enter the element : 2

Enter 1 for push
Emter 2 for pop
Enter 3 for display
Enter 0 for exit
1
Enter the element : 1

Enter 1 for push
Emter 2 for pop
Enter 3 for display
Enter 0 for exit
3
The stack is :
1
2
3
4
5
6

Enter 1 for push
Emter 2 for pop
Enter 3 for display
Enter 0 for exit
0
Merged list is :
12
10
8
6
4
2
```