



Saved

```
1 import java.util.*;
2 public class Main
3 {
4
5
6     public static void main(String[] args)
7
8     {
9
10        int n, a = 0, b = 0;
11
12        Scanner s = new Scanner(System.in);
13
14        System.out.println("Name:G.vyshnavi,SAP ID:51834743");
15        System.out.print("Enter no. of elements you want in array:");
16
17        n = s.nextInt();
18
19        int x[] = new int[n];
20
21        int odd[] = new int[n];
22
23        int even[] = new int[n];
24
25        System.out.println("Enter all the elements:");
26
27        for(int y = 0; y < n; y++)
28        {
29
30            x[y] = s.nextInt();
31
32        }
33
34        for(int y = 0; y < n; y++)
35        {
36
37    }
```

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```
33
34
35     for(int y = 0; y < n; y++)
36
37     {
38
39         if(x[y] % 2 != 0)
40
41         {
42
43             odd[a] = x[y];
44
45             a++;
46
47         }
48
49     else
50
51     {
52
53         even[b] = x[y];
54
55         b++;
56
57     }
58
59 }
60
61 System.out.print("Odd:");
62
63 if(a > 1)
64
65 {
66
67     for(int y = 0;y < (a-1); y++)
68
69     {
70
71 }
```

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even and odd.java



Saved

```
~
67     for(int y = 0;y < (a-1); y++)
68
69     {
70
71         System.out.print(odd[y]+",");
72
73     }
74
75     System.out.print(odd[a-1]);
76
77 }
78
79 else
80
81 {
82
83     System.out.println("No number");
84
85 }
86
87 System.out.println("");
88
89 System.out.print("Even:");
90
91 if(b > 1)
92
93 {
94
95     for(int y = 0; y < (b-1); y++)
96
97     {
98
99         System.out.print(even[y]+",");
100
101    }
102
103 System.out.print(even[b-1]);
```

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```
87     System.out.println("");
88
89     System.out.print("Even:");
90
91     if(b > 1)
92     {
93
94         for(int y = 0; y < (b-1); y++)
95         {
96
97             System.out.print(even[y]+",");
98
99         }
100    }
101
102    System.out.print(even[b-1]);
103
104    }
105
106
107    else
108
109    {
110
111        System.out.println("No number");
112
113    }
114
115    }
116
117 }
118 }
```





Name:G.vyshnavi,SAP ID:51834743

Enter no. of elements you want in array:3

Enter all the elements:

3

6

7

Odd:3,7

Even:No number

Process finished.

abstracts.java 

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```
1 import java.util.Scanner;
2 abstract class House
3 {
4     abstract void constructing();
5     abstract void painting();
6     abstract void cleaning();
7 }
8 public class Gunda extends House
9 {
10    public void constructing()
11    {
12        System.out.println("House is being constructed... ");
13    }
14    public void painting()
15    {
16        System.out.println("House is being painted... ");
17    }
18    public void cleaning()
19    {
20        System.out.println("House is being cleaned... ");
21    }
22    public static void main(String args[])
23    {
24        System.out.println("Name:G.vyshanvi,SAP ID:51834743");
25        Scanner sc=new Scanner(System.in);
26        System.out.println("Enter no of rooms you want:");
27        int n=sc.nextInt();
28        System.out.println("Enter color for your house:");
29        String col=sc.nextLine();
30        sc.nextLine();
31        House h=new Gunda();
32        h.constructing();
33        h.painting();
34        h.cleaning();
35    }
36 }
37
```

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Name:G.vyshanvi,SAP ID:51834743

Enter no of rooms you want:

3

Enter color for your house:

green

House is being constructed...

House is being painted...

House is being cleaned...

Process finished.

pattern number.java 

Saved

```
1 public class Main
2 {
3     public static void main (String[] args) {
4         System.out.println("Name:G.vyshnavi,SAP ID:51834743");
5         int A=1;
6         for (int b=1;b<=5;b++)
7         {
8             for (int c=1;c<=b;c++)
9             {
10                 System.out.print(A);
11                 A++;
12             }
13             System.out.println();
14         }
15     }
16 }
17 
```

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Name:G.vyshnavi,SAP ID:51834743

1

23

456

78910

1112131415

Process finished.

merge.java

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```
1 import java.util.Scanner;
2
3 public class Main
4 {
5
6     public static void main(String[] args)
7     {
8
9         int c;
10
11        String temp;
12
13        Scanner s = new Scanner(System.in);
14
15        System.out.println("Name:G.vyshnavi,SAP ID:51834743");
16        System.out.print("Enter number of words you want to enter");
17
18        c = s.nextInt();
19
20        String names[] = new String[c];
21
22        Scanner s1 = new Scanner(System.in);
23
24        System.out.println("Enter all the words line by line:");
25
26        for(int a = 0; a < c; a++)
27        {
28
29            names[a] = s1.nextLine();
30
31        }
32
33        for (int a = 0; a < c; a++)
34    }
```

⋮ Make public 





Saved

```
25     System.out.println("Enter all the words line by line:");
26
27     for(int a = 0; a < c; a++)
28     {
29
30         names[a] = s1.nextLine();
31
32     }
33
34     for (int a = 0; a < c; a++)
35     {
36
37         for (int b = a + 1; b < c; b++)
38         {
39
40             if (names[a].compareTo(names[b])>0)
41
42             {
43
44                 temp = names[a];
45
46                 names[a] = names[b];
47
48                 names[b] = temp;
49
50             }
51
52         }
53
54     }
55
56     }
57
58 }
59
60 System.out.print("words in Sorted Order line:");
61
62     for (int a = 0; a < c - 1; a++)
```

Make public



merge.java



Saved

```
43
44     if (names[a].compareTo(names[b])>0)
45
46     {
47
48         temp = names[a];
49
50         names[a] = names[b];
51
52         names[b] = temp;
53
54     }
55
56 }
57
58 }
59
60 System.out.print("words in Sorted Order line:");
61
62 for (int a = 0; a < c - 1; a++)
63 {
64
65     System.out.print(names[a] + " ");
66
67 }
68
69 System.out.print(names[c - 1]);
70
71 }
72
73 }
74 }
```

⋮ Make public





Name:G.vyshnavi,SAP ID:51834743

Enter number of words you want to enter:4

Enter all the words line by line:

my

name

is

G

words in Sorted Order line:G is my name

Process finished.