

```

1 interface Website
2 {
3     String name = "BegginersBook";
4     String space = "10gb";
5     String domain = "ABC.com";
6     String active = "Yes";
7     int no_of_visit = 4;
8     public void purpose() throws Exception;
9 }
10 class Anywebsite implements Website
11 {
12     /* This class must have to implement both
13     the abstract methods
14     * else you will get compilation error
15     */
16     public void purpose()
17     {
18         System.out.println("Name : "+name);
19         System.out.println("Space : "+space);
20         System.out.println("Domain : "+domain);
21         System.out.println("Active : "+active);
22         System.out.println("no_of_visit :
23         "+no_of_visit );
24     }
25     public static void main(String arg[])
26     {
27         System.out.println("O.Jahnavi\nSAP ID:
28         51834504");
29         try{
30             Website web = new Anywebsite();
31             web.purpose();
32         }
33         catch(Exception e){
34             e.printStackTrace();
35         }
36     }
37 }

```



```
0.Jahnavi  
SAP ID:51834504  
Name : BeginnersBook  
Space : 10gb  
Domain : ABC.com  
Active : Yes  
no_of_visit : 4
```

```
Process finished.
```

```

1  import java.util.Scanner;
2  public class Main
3  {
4      public static void main(String[] args)
5      {
6          int evenCount = 0;
7          Scanner sc = new Scanner(System.in);
8
9          System.out.println("Name:O.Jahnavi\nSAP
ID:51834504");
10         System.out.print("Enter Size of array:
");
11         int n= sc.nextInt();
12         int [] arr = new int[n];
13         System.out.println("Enter " +n+ "
elements of an Array  : ");
14         for (int i= 0; i < n; i++)
15         {
16             arr[i] = sc.nextInt();
17         }
18         System.out.println("List of Even Numbers
in this Array are :");
19         for(int i = 0; i < n; i++)
20         {
21             if(arr[i] % 2 == 0)
22             {
23                 System.out.print(arr[i] +" ");
24                 evenCount++;
25             }
26         }
27         System.out.println("\nOutput : " +
evenCount);
28     }
29 }

```



Name:O.Jahnavi

SAP ID:51834504

Enter Size of array: 5

Enter 5 elements of an Array :

12

23

34

66

78

List of Even Numbers in this Array are :

12 34 66 78

Output :4

Process finished.

```

1 import java.util.Scanner;
2 class RemovePalindrome
3 {
4     public static void main(String args[])
5     {
6         System.out.println("Name:O.Jahnavi\nSAP
ID:51834504");
7         int k=0,flag=0;
8         Scanner sc=new Scanner(System.in);
9         System.out.println("Enter the size of
array :");
10        int size=sc.nextInt();
11        while(size<1)
12        {
13            System.out.println("Enter a valid
size : ");
14            size=sc.nextInt();
15        }
16        int arr[]=new int[size];
17        int arr2[]=new int[size];
18        System.out.println("Enter "+size+"
elements :");
19        for(int i=0;i<size;i++)
20        {
21            arr[i]=sc.nextInt();
22        }
23        for(int i=0;i<size;i++)
24        {
25            flag=0;
26            int rev=0;
27            int temp=arr[i];
28            while(temp>0)
29            {
30                rev=rev*10+(temp%10);
31                temp=temp/10;
32                flag++;
33            }
34            if(rev==arr[i] && flag!=1)
35            {
36                arr2[k++]=arr[i];
37                for(int j=i;j<size-1;j++)
38                {
39                    arr[j]=arr[j+1];
40                }
41                size--;
42                i--;

```



```

12     {
13         System.out.println("Enter a valid
size : ");
14         size=sc.nextInt();
15     }
16     int arr[]=new int[size];
17     int arr2[]=new int[size];
18     System.out.println("Enter "+size+"
elements :");
19     for(int i=0;i<size;i++)
20     {
21         arr[i]=sc.nextInt();
22     }
23     for(int i=0;i<size;i++)
24     {
25         flag=0;
26         int rev=0;
27         int temp=arr[i];
28         while(temp>0)
29         {
30             rev=rev*10+(temp%10);
31             temp=temp/10;
32             flag++;
33         }
34         if(rev==arr[i] && flag!=1)
35         {
36             arr2[k++]=arr[i];
37             for(int j=i;j<size-1;j++)
38             {
39                 arr[j]=arr[j+1];
40             }
41             size--;
42             i--;
43         }
44     }
45     for(int i=0;i<size;i++)
46     {
47         System.out.print(arr[i]+" ");
48     }
49     System.out.print("\nPal : ");
50     for(int i=0;i<k;i++)
51     {
52         System.out.print(arr2[i]+" ");
53     }
54 }
55 }

```



Name:O.Jahnavi

SAP ID:51834504

Enter the size of array :

6

Enter 6 elements :

121

232

44

56

78

90

56 78 90

Pal : 121 232 44

Process finished.



```

1  import java.util.Scanner;
2  class Dcoder
3  {
4      public static void main(String args[])
5      {
6          System.out.println("Name : O.Jahnavi\nSAP I
7          Scanner sc=new Scanner(System.in);
8          System.out.println("Enter the size for n*n
9          int n=sc.nextInt();
10         while(n<1)
11         {
12             System.out.println("Enter a valid size :
13             n=sc.nextInt();
14         }
15         int arr[][]=new int[n][n];
16         System.out.println("Enter "+n*n+" elements
17         for(int i=0;i<n;i++)
18         {
19             for(int j=0;j<n;j++)
20             {
21                 arr[i][j]=sc.nextInt();
22             }
23         }
24         System.out.println("Input : ");
25         for(int i=0;i<n;i++)
26         {
27             for(int j=0;j<n;j++)
28             {
29                 System.out.print(arr[i][j]+" ");
30             }
31             System.out.println();
32         }
33         int temp1=arr[0][n-1];
34         for(int i=n-1;i>0;i--)
35         {
36             arr[0][i]=arr[0][i-1];
37         }
38         int temp2=arr[n-1][n-1];
39         for(int i=n-1;i>0;i--)

```



```

33     int temp1=arr[0][n-1];
34     for(int i=n-1;i>0;i--)
35     {
36         arr[0][i]=arr[0][i-1];
37     }
38     int temp2=arr[n-1][n-1];
39     for(int i=n-1;i>0;i--)
40     {
41         arr[i][n-1]=arr[i-1][n-1];
42     }
43     int temp3=arr[n-1][0];
44     arr[1][n-1]=temp1;
45     for(int i=0;i<n-1;i++)
46     {
47         arr[n-1][i]=arr[n-1][i+1];
48     }
49     arr[n-1][n-2]=temp2;
50     int temp4=arr[0][0];
51     for(int i=0;i<n-1;i++)
52     {
53         arr[i][0]=arr[i+1][0];
54     }
55     arr[0][1]=temp4;
56     arr[n-2][0]=temp3;
57     System.out.println("After shifting : ");
58     for(int i=0;i<n;i++)
59     {
60         for(int j=0;j<n;j++)
61         {
62             System.out.print(arr[i][j]+" ");
63         }
64         System.out.println();
65     }
66 }
67 }

```

```
Name : O.Jahnavi
SAP ID : 51834504
Enter the size for n*n matrix :
4
Enter 16 elements :
12 23 12 14 1 78 6 6 8 6 4 10
20 1 -2 4
Input :
12 23 12 14
1 78 6 6
8 6 4 10
20 1 -2 4
After shifting :
1 12 23 12
8 78 6 14
20 6 4 6
1 -2 4 10
Process finished.
```