



```
1 class Calculator{
2     public static void add(int a,int b){
3         int c=a+b;
4         System.out.println("addition with 2 di
5     }
6     public static void add(int a,int b,int d
7         int c=a+b+d;
8         System.out.println("addition with incr
9     }
10    public static void add(double a,int b){
11        double c=a+b;
12        System.out.println("addition with chan
13    }
14    public static void add(int a,double b){
15        double c=a+b;
16        System.out.println("addition with chan
17    }
18    public static void sub(int a,int b){
19        int c=a-b;
20        System.out.println("subtraction with 2
21    }
22    public static void sub(int a,int b,int d
23        int c=a-b-d;
24        System.out.println("subtraction with i
25    }
26    public static void sub(double a,int b){
27        double c=a-b;
28        System.out.println("subtraction with c
29    }
30    public static void sub(int a,double b){
31        double c=a-b;
32        System.out.println("subtraction with c
33    }
34    public static void mul(int a,int b){
35        try{
36            if(a!=0&&b!=0){
```



⋮ Try Dcoder's keyboard ⌨ application



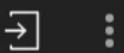
```
34     public static void mul(int a,int b){  
35         try{  
36             if(a!=0&&b!=0){  
37                 int c=a*b;  
38                 System.out.println("multiplication with  
39             }  
40         }  
41     else{  
42         throw new Exception("anything multiple  
43             }  
44         }  
45     catch(Exception e){  
46         System.out.println("anything multiplied  
47             }  
48         }  
49     }  
50  
51  
52     public static void mul(int a,int b,int d)  
53         try{  
54             if(a!=0&&b!=0&&d!=0){  
55                 int c=a*b*d;  
56                 System.out.println("multiplication with  
57             }  
58         else{  
59             throw new Exception("anything multiple  
60             }  
61         }  
62         catch(Exception e){  
63             System.out.println("anything multiplied  
64             }  
65         }  
66     }  
67  
68     public static void mul(double a,int b){  
69         try{  
70             if(a!=0&&b!=0){  
71                 double c=a*b;  
72                 System.out.println("multiplication with  
73             }  
74         }  
75     }  
76 }
```



⋮ Try Dcoder's keyboard ⋮



## ds.java



```
34     public static void mul(int a,int b){  
35         try{  
36             if(a!=0&&b!=0){  
37                 int c=a*b;  
38                 System.out.println("multiplication wi  
39             }  
40         }  
41     else{  
42         throw new Exception("anything multipli  
43     }  
44     }  
45     catch(Exception e){  
46         System.out.println("anything multiple  
47     }  
48     }  
49     }  
50  
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52     public static void mul(int a,int b,int  
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55                 int c=a*b*d;  
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72                 System.out.println("multiplicat  
73             }  
74         }  
75     }  
76     }  
77 }
```





```
67
68     public static void mul(double a,int b){
69         try{
70             if(a!=0&&b!=0){
71                 double c=a*b;
72                 System.out.println("multiplication wi
73             }
74         }else{
75             throw new Exception("anything multipli
76         }
77     }
78     catch(Exception e){
79         System.out.println("anything multiple
80     }
81 }
82 }
83     public static void mul(int a,double b){
84         double c=a*b;
85         System.out.println("multiplication wi
86     }
87     public static void div(int a,int b){
88         try{
89             int c=a/b;
90             System.out.println("division with 2 d
91         }
92         catch(ArithmeticException e){
93             System.out.println("not allowed to di
94         }
95     }
96     public static void div(int a,int b,int
97         try{
98             int c=(a/b)/d;
99             System.out.println("division with inc
100        }
101        catch(ArithmeticException e){
102            System.out.println("not allowed to di
103        }
104    }
105 }
```



```
106 public static void div(double a,int b){  
107     try{  
108         double c=a/b;  
109         System.out.println("division with char  
110     }  
111     catch(ArithmetricException e){  
112         System.out.println("numbet not divide  
113     }  
114     }  
115 }  
116  
117 public static void div(int a,double b){  
118     try{  
119         double c=a/b;  
120         System.out.println("division with char  
121     }  
122     catch(ArithmetricException e){  
123         System.out.println("not allowed to di  
124     }  
125     }  
126 }  
127 public static void main (String args []  
128     System.out.println("Name:Y.Satyanaray  
129     add(12,3);  
130     add(23,63,6);  
131     add(23.4,2);  
132     add(12,56.7888);  
133     sub(2527,26);  
134     sub(1,2,3334);  
135     sub(12.444,3);  
136     sub(34,5.777);  
137     mul(226,0);  
138     mul(2,3,0);  
139     mul(24.267,6);  
140     mul(2,7.72);  
141     div(34,0);  
142     div(22,2,5);  
143     :div(22.34,0);  
144     div(23,7.777);
```



## x Terminal



Name:Y.Satyanarayana  
Sap id:51834602  
addition with 2 digits 15  
addition with increasing the parameter  
addition with 2 digits 15  
addition with increasing the parameter  
addition with changing datatypes of pa  
addition with changing sequence of pa  
subtraction with 2 digits 2501  
subtraction with increasing parameters  
subtraction with changing datatype of  
subtraction with changing sequence of  
anything multiplied by 0 is 0  
anything multiplied by 0 is 0  
multiplication with changing datatype  
multiplication with changing sequence  
not allowed to divide with 0  
division with increasing parameters 2  
division with changing datatype of pa  
division with changing sequence of pa  
addition with changing datatypes of pa  
addition with changing sequence of pa  
subtraction with 2 digits 2501  
subtraction with increasing parameters  
subtraction with changing datatype of  
subtraction with changing sequence of  
anything multiplied by 0 is 0  
anything multiplied by 0 is 0  
multiplication with changing datatype  
multiplication with changing sequence  
not allowed to divide with 0  
division with increasing parameters 2  
division with changing datatype of pa  
division with changing sequence of pa





ds.java

Saved



```
1 import java.util.Scanner;
2
3 public class Demo
4 {
5
6     public static boolean isPal(String s)
7     {
8         if(s.length() == 0 || s.length() =
9             return true;
10
11        if(s.charAt(0) == s.charAt(s.length()-
12
13            return false;
14    }
15
16    public static void main(String[]args)
17    {
18        Scanner sc = new Scanner(System.in);
19        System.out.print("Enter any String");
20        String string = sc.nextLine();
21        if(isPal(string))
22            System.out.println(string + " is a pali-
23            else
24            System.out.println(string + " is not
25    }
26 }
```

⋮ Make public



x Terminal  
Enter any String for check String Pali  
oooooo is a palindrome

Process finished.





```
1 import java.util.*;
2 class Demo{
3     public static void main (String args[]){
4         System.out.println("name: Y.satyaranayana");
5         Scanner sc=new Scanner(System.in);
6         System.out.println("input ");
7         int n=sc.nextInt();
8         int c=0;
9         while(n>0){
10             int rem=n%10;
11             if(rem%2!=0){
12                 c++;
13             }
14             n=n/10;
15         }
16         System.out.println("output "+c);
17     }
18 }
```



## x Terminal



```
name: Y.satyana...  
sap id: 51834602  
input  
134732  
output 4
```

```
Process finished.
```





ds.java



Saved

```
1 class Demo{  
2     public static void main (String args[]){  
3         System.out.println("name: Y.satyana...  
4         for(int i=0;i<=5;i++){  
5               
6                 for(int j=1;j<=i;j++){  
7                     int c=0;  
8                     for(int k=1;k<=i;k++){  
9                         if(i%k==0){  
10                             c++;  
11                         }  
12                     }  
13                     if(c==2){  
14                         if(j==i||i==5&&j==3){  
15                             System.out.print(j-1);  
16                         }  
17                         else if(j==i-1||i==5&&j==2){  
18                             System.out.print(j+1);  
19                         }  
20                         else{  
21                             System.out.print(j);  
22                         }  
23                     }  
24                     else{  
25                         System.out.print(j);  
26                     }  
27                 }  
28                 System.out.println();  
29             }  
30         }  
31     }
```

⋮ Try Dcoder's keyboard



## x Terminal



name: Y.satyana...  
sap id: 51834602

1  
21  
132  
1234  
13254

Process finished.



...



1 q 2 w 3 e 4 r 5 t 6 y 7 u 8 i 9 o 0 p

a s d f g h j k l

↶ z x c v b n m ⌂

?123



.



## ds.java

Saved

```
1 import java.util.*;
2 public class Demo {
3     public static void main(String []args)
4         System.out.println("name:Y.Satyanarayana");
5         Scanner sc=new Scanner(System.in);
6         System.out.println("Enter array size");
7         int n=sc.nextInt();
8         sc.nextLine();
9         String str[] = new String[n];
10        System.out.println("enter the elements");
11        for(int i=0;i<n;i++){
12            str[i]=sc.nextLine();
13        }
14        String temp;
15        System.out.println("Sorted string...");
16        for (int j = 0; j < str.length; j++)
17            for (int i = j + 1; i < str.length;
18                // comparing strings
19                if (str[i].compareTo(str[j]) <
20                    temp = str[j];
21                    str[j] = str[i];
22                    str[i] = temp;
23                }
24            }
25            System.out.println(str[j]);
26        }
27    }
28 }
```

Try Dcoder's keyboard



```
name:Y.Satyanarayana
sap id:51834602
Enter array size
5
enter the elements
hello
am
I
wear
jump
Sorted string...
I
am
hello
jump
wear
```

Process finished.