



classes and objects.java



Saved

//title:

//Description:

//tags:

```
1  import java.util.*;
2
3  // Compiler version JDK 11.0.2
4  import java.util.InputMismatchException;
5  class Calculator
6  {
7
8      public void add(float a,float b, float c)
9      {
10         System.out.println(a+" "+b+" "+c+"="+a+b+c);
11     }
12     public void add(float a,float b)
13     {
14         System.out.println(a+" "+b+"="+a+b);
15     }
16
17
18     public void subtract(float a,float b, float c)
19     {
20         System.out.println(a+" "+b+" "+c+"="+a+b+c);
21     }
22     public void subtract(float a,float b)
23     {
24         System.out.println(a+" "+b+"="+a-b);
25     }
26
27
28     public void product(float a,float b)
29     {
30         System.out.println(a+" "+b+"="+a*b);
31     }
32
33
34     public void division(float a,float b)
35     {
36         System.out.println(a+" "+b+"="+a/b);
37     }
38 }
39 public class Main
40 {
41     public static void main (String[] args) {
42         Calculator cal=new Calculator();
43         Scanner sc=new Scanner(System.in);
44         while(true){
45             int choice=sc.nextInt();
46             switch(choice){
47                 case 1: cal.add(sc.nextFloat(),sc.nextFloat(),sc.nextFloat());
48                     break;
49                 case 2: cal.add(sc.nextFloat(),sc.nextFloat());
50                     break;
51                 case 3: cal.subtract(sc.nextFloat(),sc.nextFloat(),sc.nextFloat());
52                     break;
53                 case 4: cal.subtract(sc.nextFloat(),sc.nextFloat());
54                     break;
55                 case 5: cal.product(sc.nextFloat(),sc.nextFloat());
56                     break;
57                 case 6: cal.division(sc.nextFloat(),sc.nextFloat());
58                     break;
59                 case 7: break;
60             }
61             System.out.println("Author:b.Prabha");
62         }
63     }
64 }
```



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```
36         System.out.println(a+"/"+b+"="+a/b));
37     }
38 }
39 public class Main
40 {
41     public static void main (String[] args) {
42         Calculator cal=new Calculator();
43         Scanner sc=new Scanner(System.in);
44         System.out.println("Author:b.Prabhakar\\n");
45         try
46         {
47             System.out.println("1. ADD\\n2. SUBTRACT\\n");
48             int op=sc.nextInt();
49             switch(op)
50             {
51                 case 0:
52                     System.out.println("Exit...");
53                     System.exit(0);
54                     break;
55                 case 1:
56                     System.out.print("Enter operand 1:");
57                     float add1=sc.nextFloat();
58                     System.out.print("Enter operand 2:");
59                     float add2=sc.nextFloat();
60                     System.out.print("Enter operand 3:");
61                     float add3=sc.nextFloat();
62                     if(add3==0)
63                     {
64                         cal.add(add1, add2);
65                     }
66                     else
67                     {
68                         cal.add(add1, add2, add3);
69                     }
70                     break;
71                 case 2:
72                     System.out.print("Enter operand 1:");
73                     float sub1=sc.nextFloat();
74                     System.out.print("Enter operand 2:");
75                     float sub2=sc.nextFloat();
76                     System.out.print("Enter operand 3:");
77                     float sub3=sc.nextFloat();
78                     if(sub3==0)
79                     {
80                         cal.subtract(sub1, sub2);
81                     }
82                     else
83                     {
84                         cal.subtract(sub1, sub2, sub3);
85                     }
86                     break;
87             }
88         }
89     }
90 }
```



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classes and objects.java



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```
37
38
39  in
40
41  public void main (String[] args) {
42      Calculator cal=new Calculator();
43      Scanner sc=new Scanner(System.in);
44      System.out.println("Author:b.Prabhakar\nSAP ID:5183476");
45
46
47      System.out.println("1. ADD\n2. SUBTRACT\n3. MULTIP");
48      int op=sc.nextInt();
49      switch(op)
50      {
51          case 0:
52              System.out.println("Exit...");
53              System.exit(0);
54              break;
55          case 1:
56              System.out.print("Enter operand 1: ");
57              float add1=sc.nextFloat();
58              System.out.print("Enter operand 2: ");
59              float add2=sc.nextFloat();
60              System.out.print("Enter operand 3(if you want to add 3 numbers): ");
61              float add3=sc.nextFloat();
62              if(add3!=0)
63              {
64                  cal.add(add1, add2, add3);
65              }
66              else
67              {
68                  cal.add(add1, add2);
69              }
70              break;
71          case 2:
72              System.out.print("Enter operand 1: ");
73              float sub1=sc.nextFloat();
74              System.out.print("Enter operand 2: ");
75              float sub2=sc.nextFloat();
76              System.out.print("Enter operand 3(if you want to subtract 3 numbers): ");
77              float sub3=sc.nextFloat();
78              if(sub3!=0)
79              {
80                  cal.subtract(sub1, sub2, sub3);
81              }
82              else
83              {
84                  cal.subtract(sub1, sub2);
85              }
86              break;
87          case 3:
88              System.out.print("Enter operand 1: ");
89              float mul1=sc.nextFloat();
90              System.out.print("Enter operand 2: ");
91              float mul2=sc.nextFloat();
92              System.out.print("Enter operand 3(if you want to multiply 3 numbers): ");
93              float mul3=sc.nextFloat();
94              if(mul3!=0)
95              {
96                  cal.multiply(mul1, mul2, mul3);
97              }
98              else
99              {
100                  cal.multiply(mul1, mul2);
101              }
102              break;
103      }
104  }
```



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sub1, sub2, sub3);





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```
78         if(sub3==0)
79         {
80             cal.subtract(sub1, sub2);
81         }
82         else
83         {
84             cal.subtract(sub1, sub2, sub3);
85         }
86         break;
87     case 3:
88         System.out.print("Enter operand 1: ");
89         float mul1=sc.nextFloat();
90         System.out.print("Enter operand 2: ");
91         float mul2=sc.nextFloat();
92         cal.product(mul1,mul2);
93         break;
94     case 4:
95         System.out.print("Enter operand 1: ");
96         float div1=sc.nextFloat();
97         System.out.print("Enter operand 2: ");
98         float div2=sc.nextFloat();
99         if(div2==0)
100        {
101            throw new ArithmeticException("Number
102        }
103        cal.division(div1,div2);
104        break;
105    default:
106        System.out.println("Invalid choice: ");
107
108
109    InputMismatchException ime)
110
111    tem.out.println("You have entered input of wrong
112
113    ArithmeticException ae)
114
115    tem.out.println(ae.getMessage());
116
117
118
119
```



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Jaga Priгаа Hcl 5



P. Jaga Priгаа java assignment(1).pdf (6 pages)

Reply

Mark as read

```
83         {
84             cal.subtract(sub1, sub2);
85         }
86         break;
87     case 3:
88         System.out.print("Enter open
89         float mul1=sc.nextFloat();
90         System.out.print("Enter open
91         float mul2=sc.nextFloat();
92         cal.product(mul1,mul2);
93         break;
94     case 4:
95         System.out.print("Enter open
96         float div1=sc.nextFloat();
97         System.out.print("Enter open
98         float div2=sc.nextFloat();
99         if(div2==0)
100         {
101             throw new ArithmeticExce
102         }
103         cal.division(div1,div2);
104         break;
105     default:
106         System.out.println("Invalid
107     }
108 }
109 catch(InputMismatchException ime)
110 {
111     System.out.println("You have entered
112 }
113 catch(ArithmeticException ae)
114 {
115     System.out.println(ae.getMessage())
116 }
117 }
118 }
119 }
```



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× Terminal



Author:b.Prabhakar

SAP ID:51834763

1. ADD
2. SUBTRACT
3. MULTIPLICATION
4. DIVISION
5. EXIT

Enter your choice:

1

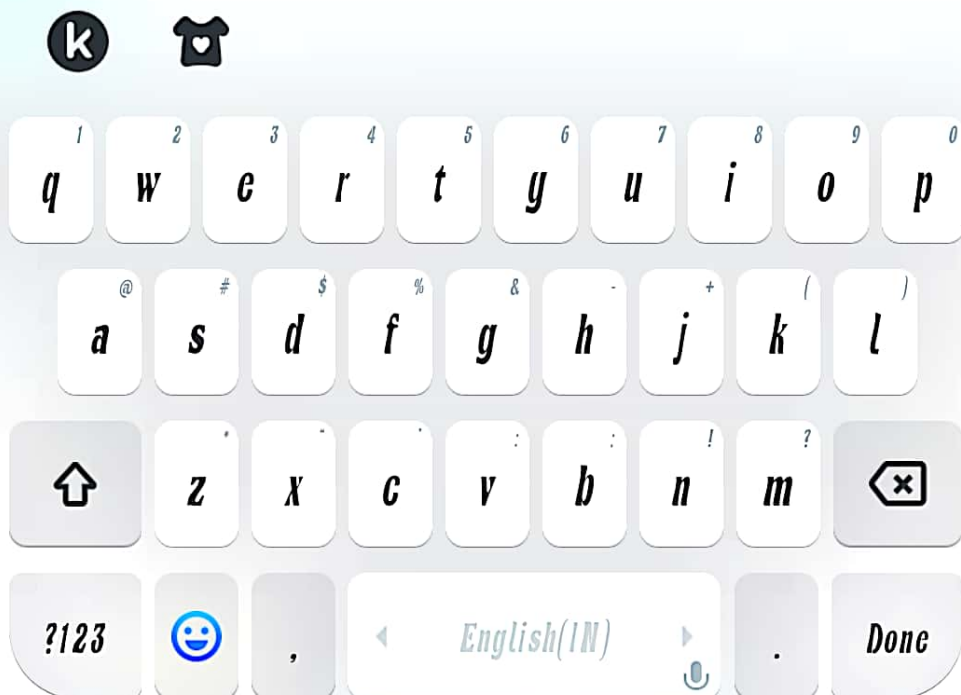
Enter operand 1: 2

Enter operand 2: 6

Enter operand 3(if you want. else enter 0):

2.0+6.0+4.0=12.0

Process finished.





recursion.java

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//title:

//Description:

//tags:

```
1 import java.util.*;
2
3 // Compiler version JDK 11.0.2
4 public class Main
5 {
6     public static boolean isPalindrome(String string, low, high)
7     {
8         if (low >= high) {
9             return true;
10        }
11
12        if (string.charAt(low) != string.charAt(high))
13            return false;
14    }
15
16    return isPalindrome(string, low + 1, high - 1);
17 }
18
19 public static void main(String[] args)
20 {
21     Scanner DC=new Scanner(System.in);
22     System.out.println("plz,input any string");
23     String string =DC.nextLine();
24
25     if (isPalindrome(string, 0, string.length()-1))
26         System.out.println("Author:b.Prabhakar\nString is Palindrome");
27     System.out.print("That you given String is Palindrome");
28 } else {
29     System.out.print("That you given String is Not Palindrome");
30 }
31 }
32 }
33
```



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× Terminal



plz,input any string

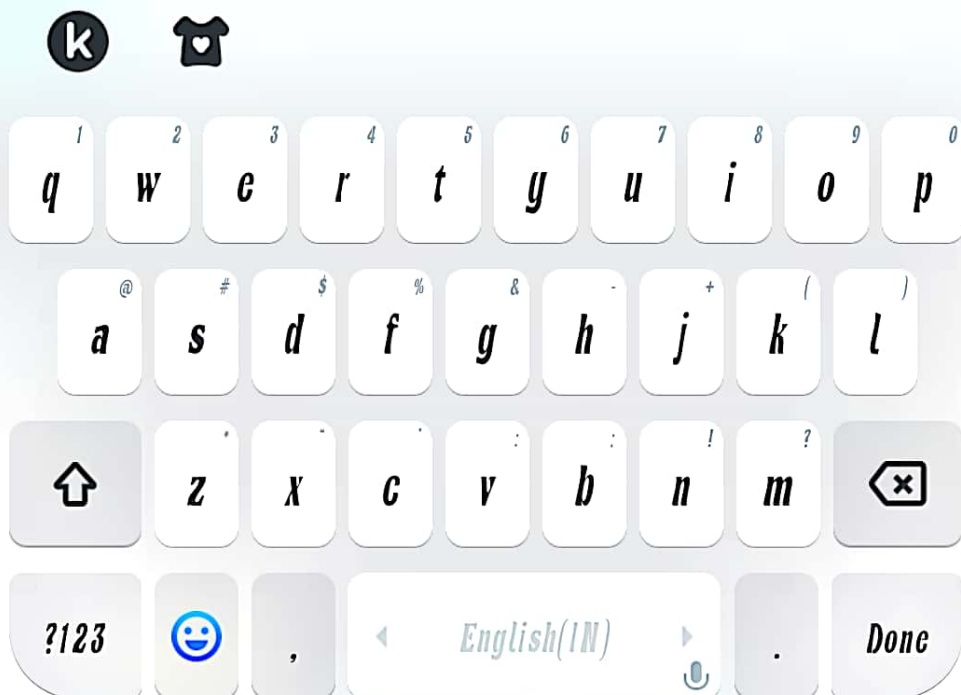
pop

Author:b.Prabhakar

SAP ID:51834763

That you given String is Palindrome

Process finished.





condition statement.java



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//title:

//Description:

//tags:

```
1  import java.util.*;
2
3  // Compiler version JDK 11.0.2
4  public class Main
5  {
6      public static void main (String[] args)
7      {
8          System.out.println("Author :b.Prabhakar\n SA
9          int count=0;
10         int rem=0 ;
11         Scanner sc=new Scanner(System.in);
12         System.out.println("enter a number you want
13         int n= sc.nextInt();
14         while(n>0)
15         {
16             rem=n%10;
17             if(rem%2!=0)
18             {
19                 count++;
20             }
21             n=n/10;
22         }
23         System.out.println("These are the no of odd
24
25
26     }
27 }
28
29
```



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5:53 PM

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```
Author :b.Prabhakar
SAP ID:51834763
enter a number you want :
1432567
These are the no of odd digits in number are ; 4

Process finished.
```



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String.java

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//title:

//Description:

//tags:

```
1  import java.util.*;
2
3  // Compiler version JDK 11.0.2
4  class Main
5  {
6      public static void swap(int[] arr, int a, int b)
7      {
8          int temp = arr[a];
9          arr[a] = arr[b];
10         arr[b] = temp;
11     }
12
13     public static void bubbleSort(int[] arr, int m)
14     {
15         for (int a = 0; a < m - 1; a++) {
16             if (arr[a] > arr[a + 1]) {
17                 swap(arr, a, a + 1);
18             }
19         }
20         if (m - 1 > 1) {
21             bubbleSort(arr, m - 1);
22         }
23     }
24
25     public static void main(String[] args)
26     {
27         int[] arr = { 4, 2, 8, 10, 7, 6, 0 };
28
29         bubbleSort(arr, arr.length);
30
31         System.out.println("Author:B.Prabhakar\n SAF");
32         System.out.println(Arrays.toString(arr));
33     }
34 }
35
```



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String.java

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× *Terminal*



```
Author:B.Prabhakar  
SAP ID:51834763  
[0, 2, 4, 6, 7, 8, 10]
```

```
Process finished.  
|
```

Ad

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