



hah.java



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```
1 public class Main
2 {
3     public static boolean isPalindrome(String string, int low, int high)
4     {
5         if (low >= high) {
6             return true;
7         }
8
9         if (string.charAt(low) != string.charAt(high)) {
10             return false;
11         }
12
13         return isPalindrome(string, low + 1, high - 1);
14     }
15
16     public static void main(String[] args)
17     {
18         String string = "madam";
19
20         if (isPalindrome(string, 0, string.length() - 1)) {
21             System.out.println("Done by k.charan teja");
22             System.out.print("given String is Palindrome");
23         } else {
24             System.out.print("given String is Not Palindrome");
25         }
26     }
27 }
```

X Terminal



```
Done by k.charan teja
given String is Palindrome
Process finished.
```



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```
1 import java.util.Scanner;
2 import java.util.InputMismatchException;
3 class Calculator
4 {
5
6     public void add(float a, float b, float c)
7     {
8         System.out.println(a+"+"+b+"+"+c+"="+ (a+b+c));
9     }
10    public void add(float a, float b)
11    {
12        System.out.println(a+"+"+b+"="+ (a+b));
13    }
14
15    public void subtract(float a, float b, float c)
16    {
17        System.out.println(a+"-"+b+"-"+c+"="+ (a-b-c));
18    }
19 }
```



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(a-b));





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```
91         break;
92     case 4:
93         System.out.print("Enter operand 1: ");
94         float div1=sc.nextFloat();
95         System.out.print("Enter operand 2: ");
96         float div2=sc.nextFloat();
97         if(div2==0)
98         {
99             throw new ArithmeticException("Number cannot be divided by zero!!");
100         }
101         cal.division(div1,div2);
102         break;
103     default:
104         System.out.println("Invalid choice: ");
105     }
106 }
107 catch(InputMismatchException ime)
108 {
109     System.out.println("You have entered input of wrong datatype!!");
110 }
111 System.out.println(cal.getMessage());
```



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```
19 {  
20     public void subtract(float a, float b)  
21     {  
22         System.out.println(a+"-"+b+"="+ (a-b));  
23     }  
24  
25  
26     public void product(float a, float b)  
27     {  
28         System.out.println(a+"*"+b+"="+ (a*b));  
29     }  
30  
31  
32     public void division(float a, float b)  
33     {  
34         System.out.println(a+"/"+b+"="+ (a/b));  
35     }  
36  
37     public class Main  
38     {  
39         Scanner sc = new Scanner(System.in);  
40         int choice;  
41         while (true)  
42         {  
43             System.out.println("1. Subtract  
44             2. Product  
45             3. Division  
46             4. Exit  
47             Enter your choice:");  
48             choice = sc.nextInt();  
49             switch (choice)  
50             {  
51                 case 1:  
52                     subtract(sc.nextFloat(), sc.nextFloat());  
53                     break;  
54                 case 2:  
55                     product(sc.nextFloat(), sc.nextFloat());  
56                     break;  
57                 case 3:  
58                     division(sc.nextFloat(), sc.nextFloat());  
59                     break;  
60                 case 4:  
61                     System.exit(0);  
62             }  
63         }  
64     }  
65 }
```



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```
36 }  
37 public class Main  
38 {  
39     public static void main (String[] args) {  
40         Calculator cal=new Calculator();  
41         Scanner sc=new Scanner(System.in);  
42         System.out.println("Done by k.charan teja");  
43         try  
44         {  
45             System.out.println("1. ADD\n2. SUBTRACT\n3.MULTIPLICATION\n4. DIVISION\n5. EXIT\nEnter your choice: ");  
46             int op=sc.nextInt();  
47             switch(op)  
48             {  
49                 case 0:  
50                     System.out.println("Exit...");  
51                     System.exit(0);  
52                     break;  
53                 case 1:  
54                     System.out.print("Enter operand 1: ");  
55                     int n1=sc.nextInt();  
56                     System.out.print("Enter operand 2: ");  
57                     int n2=sc.nextInt();  
58                     System.out.print("Enter operation you want, else enter 0: ");
```

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```
1 import java.util.Arrays;
2
3 class Main
4 {
5     public static void swap(int[] arr, int a, int b)
6     {
7         int temp = arr[a];
8         arr[a] = arr[b];
9         arr[b] = temp;
10    }
11
12    public static void bubbleSort(int[] arr, int m)
13    {
14        for (int a = 0; a < m - 1; a++) {
15            if (arr[a] > arr[a + 1]) {
16                swap(arr, a, a + 1);
17            }
18        }
19        if (m - 1 > 1) {
20            bubbleSort(arr, m - 1);
21        }
22    }
23
24    public static void main(String[] args)
25    {
26        int[] arr = { 5, 1, 7, 9, 8, 0, 2 };
27
28        bubbleSort(arr, arr.length);
29
30        System.out.println("Done by k.charan teja");
31        System.out.println(Arrays.toString(arr));
32    }
33 }
```





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```
53 case 1:
54     System.out.print("Enter operand 1: ");
55     float add1=sc.nextFloat();
56     System.out.print("Enter operand 2: ");
57     float add2=sc.nextFloat();
58     System.out.print("Enter operand 3(if you want. else enter 0): ");
59     float add3=sc.nextFloat();
60     if(add3==0)
61     {
62         cal.add(add1, add2);
63     }
64     else
65     {
66         cal.add(add1, add2, add3);
67     }
68     break;
69 case 2:
70     System.out.print("Enter operand 1: ");
71     float sub1=sc.nextFloat();
72     System.out.print("Enter operand 2: ");
73     float sub2=sc.nextFloat();
74     System.out.print("Enter operand 3(if you want. else enter 0): ");
```



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```
70 System.out.print("Enter operand 1: ");
71 float sub1=sc.nextFloat();
72 System.out.print("Enter operand 2: ");
73 float sub2=sc.nextFloat();
74 System.out.print("Enter operand 3(if you want, else enter 0): ");
75 float sub3=sc.nextFloat();
76 if(sub3==0)
77 {
78     cal.subtract(sub1, sub2);
79 }
80 else
81 {
82     cal.subtract(sub1, sub2, sub3);
83 }
84 break;
85 case 3:
86 System.out.print("Enter operand 1: ");
87 float mul1=sc.nextFloat();
88 System.out.print("Enter operand 2: ");
89 float mul2=sc.nextFloat();
90 float mul3=sc.nextFloat();
```



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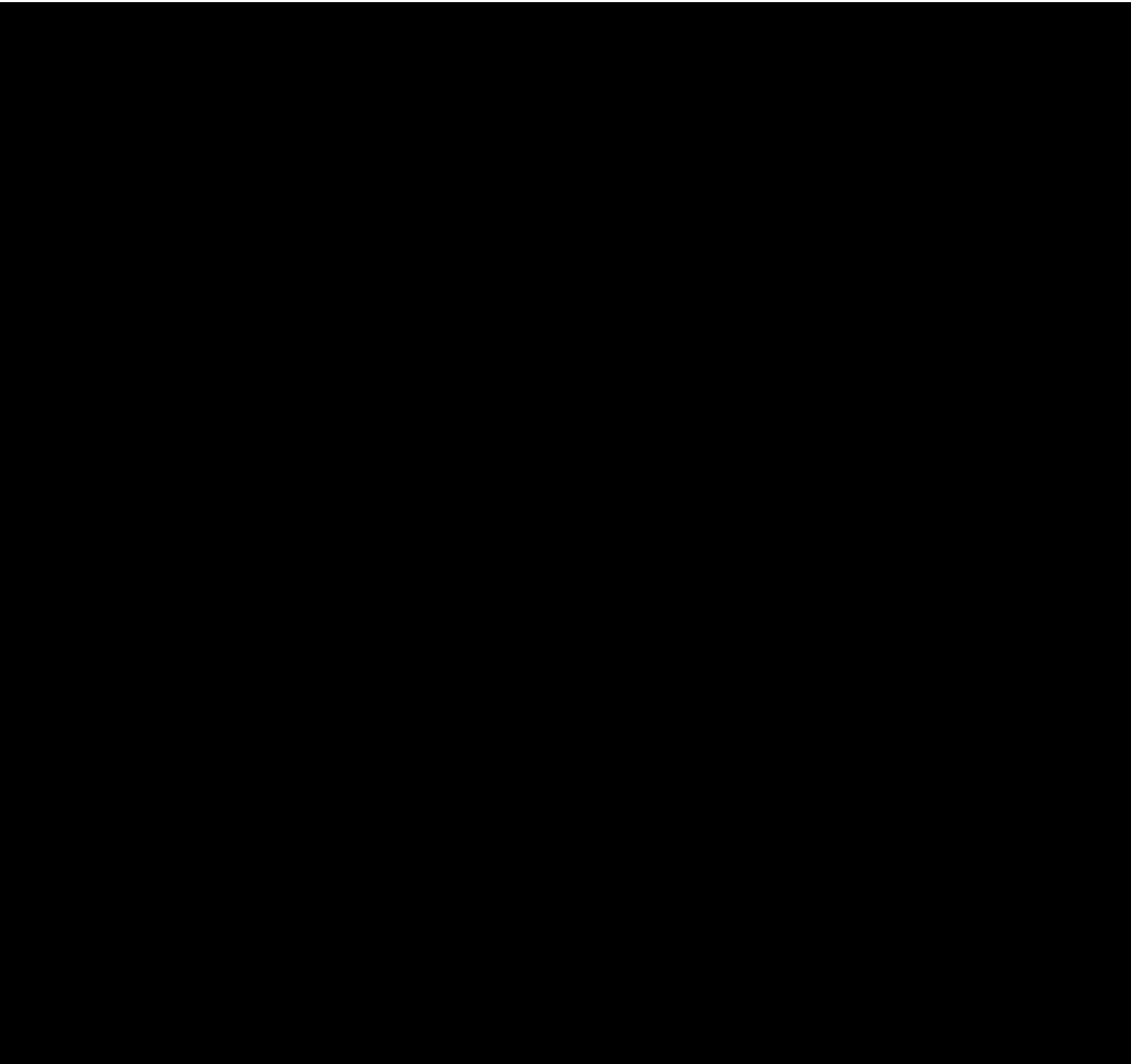
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```
1 import java.util.*;
2 public class Main
3 {
4     public static void main (String[] args)
5     {
6         System.out.println("Done by k.charan teja");
7         int count=0;
8         int rem=0 ;
9         Scanner sc=new Scanner(System.in);
10        System.out.println("enter a number :");
11        int n= sc.nextInt();
12        while(n>0)
13        {
14            rem=n%10;
15            if(rem%2!=0)
16            {
17                count++;
18            }
19            n=n/10;
20
21        }
22        System.out.println("no of odd digits in number are ; "+count);
23
24    }
25 }
```

✕ Terminal







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```
98     {
99         throw new ArithmeticException("Number cannot be divided by zero!!");
100     }
101     cal.division(div1,div2);
102     break;
103 default:
104     System.out.println("Invalid choice: ");
105 }
106 }
107 catch(InputMismatchException ime)
108 {
109     System.out.println("You have entered input of wrong datatype!!");
110 }
111 catch(ArithmeticException ae)
112 {
113     System.out.println(ae.getMessage());
114 }
115 }
116 }
```



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