



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
16    public void subtract(float a, float b, float c)
17    {
18        System.out.println(a+"-"+b+"-"+c+"="+ (a-b-c));
19    }
}
```



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

System.out.println(errorMessage);



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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 {
```

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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 a=sc.nextInt();
56             System.out.print("Enter operand 2:");
57             int b=sc.nextInt();
58             cal.add(a,b);
59             System.out.println("Sum is "+cal.sum());
60         }
61     }
62 }
```

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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.charanteja");
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         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 mull=sc.nextFloat();
88 System.out.print("Enter operand 2: ");
89 float mul2=sc.nextFloat();
```



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◀ hah.java  ▶ :

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 }

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```
98
99     {
100         throw new ArithmeticException("Number cannot be divided by zero!!");
101     }
102     cal.division(div1,div2);
103     break;
104     default:
105         System.out.println("Invalid choice:");
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 }
```



Make public

