```
hcl.java 🖴
//question:1//
import java.util.*;
import java.util.InputMismatchException;
class Calculator
      public void add(float a,float b, float c)
{
            System.out.println(a+"+"+b+"+"+c+"="+(a+b+c));
      public void add(float a,float b)
{
            System.out.println(a+"+"+b+"="+(a+b));
      public void subtract(float a,float b, float c)
            System.out.println(a+"-"+b+"-"+c+"="+(a-b-c));
        ublic void subtract(float a,float b)
            System.out.println(a+"-"+b+"="+(a-b));
     public void product(float a, float b)
            System.out.println(a+"*"+b+"="+(a*b));
      public void division(float a,float b)
{
            System.out.println(a+"/"+b+"="+(a/b));
   blic class Main
            lic static void main (String[] args) {
Calculator cal=new Calculator();
Scanner sc=new Scanner(System.in);
System.out.println("Author: ch.madhusa
                  System.out.println("1. ADD\n2. SUBTRACt\n3. MULTIPLICA
int op=sc.nextInt();
                    switch(op)
                                System.out.println("Exit...");
System.exit(0);
                               e 1:
System.out.print("Enter operand 1: ");
float addl=sc.nextFloat();
System.out.print("Enter operand 2: ");
float add2=sc.nextFloat();
System.out.print("Enter operand 3(if you v
float add3=sc.nextFloat();
if(add3==0)
                                 if(add3==0)
                                    cal.add(add1, add2);
                                     cal.add(add1, add2, add3);
                              se 2:
System.out.print("Enter operand 1: ");
float sub1=sc.nextFloat();
System.out.print("Enter operand 2: ");
float sub2=sc.nextFloat();
System.out.print("Enter operand 3(if yes)
                               float sub3=sc.nextFloat();
if(sub3==0)
{
                                     cal.subtract(sub1, sub2);
                                     cal.subtract(sub1, sub2, sub3);
                               System.out.print("Enter operand 1: ");
float mul1=sc.nextFloat();
System.out.print("Enter operand 2: ");
float mul2=sc.nextFloat();
cal.product(mul1,mul2);
break:
                               System.out.print("Enter operand 1: ");
float div1=sc.nextFloat();
System.out.print("Enter operand 2: ");
float div2=sc.nextFloat();
if(div1=sc.nextFloat();
                                 if(div2==0)
                                     throw new ArithmeticException("Nu
                                cal.division(div1,div2);
                       default:
    System.out.println("Invalid choice: ");
              atch(InputMismatchException ime)
                  System.out.println("You have entered input of wrong d
            catch(ArithmeticException ae)
{
                  System.out.println(ae.getMessage());
```

### × Terminal



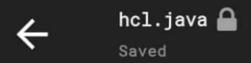
```
Author: ch.madhusai
SAP ID:51834527

1. ADD
2. SUBTRACt
3. MULTIPLICATION
4. DIVISION
5. EXIT
Enter your choice:
1
Enter operand 1: 23
Enter operand 2: 34
Enter operand 3(if you want. else enter 0): 0
23.0+34.0=57.0

Process finished.
```

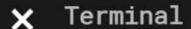


```
//question2//
  public class Main
  {
     public static boolean isPalindrome(String string, int low, int hig
     {
         if (low >= high) {
            return true;
         if (string.charAt(low) != string.charAt(high)) {
            return false;
         }
         return isPalindrome(string, low + 1, high - 1);
     }
     public static void main(String[] args)
     {
        String string = "madam";
         if (isPalindrome(string, 0, string.length() - 1)) {
            System.out.println("Author:ch.madhu sai \nSAP ID:51834527")
            System.out.print("given String is Palindrome");
         } else {
            System.out.print("given String is Not Palindrome");
         }
28
     }
```





] :





Author:ch.madhu sai SAP ID:51834527 given String is Palindrome Process finished.

```
//question 3//
  import java.util.Scanner;
  public class Main
  {
    public static void main (String[] args)
    {
      System.out.println("Author :ch.madhu sai \n SAP ID:51834527");
      int count=0;
      int rem=0 ;
      Scanner sc=new Scanner(System.in);
      System.out.println("enter a number :");
      int n= sc.nextInt();
      while(n>0)
         rem=n%10;
        if(rem%2!=0)
           count++;
        n=n/10;
      System.out.println("no of odd digits in number are ; "+count);
26 }
```

#### × Terminal



```
Author :ch.madhu sai
SAP ID:51834527
enter a number :
2
no of odd digits in number are ; 0
Process finished.
```

```
//question 5//
  import java.util.Arrays;
  class Main
    public static void swap(int[] arr, int a, int b)
    {
      int temp = arr[a];
      arr[a] = arr[b];
      arr[b] = temp;
    }
    public static void bubbleSort(int[] arr, int m)
    {
      for (int a = 0; a < m - 1; a++) {
        if (arr[a] > arr[a + 1]) {
          swap(arr, a, a + 1);
        }
      if (m - 1 > 1) {
        bubbleSort(arr, m - 1);
    }
    public static void main(String[] args)
    {
      int[] arr = { 5, 1, 7, 9, 8, 0, 2 };
      bubbleSort(arr, arr.length);
      System.out.println("Author:ch.madhu sai\n SAP ID:51834527");
      System.out.println(Arrays.toString(arr));
34 }
```

### × Terminal



Author:ch.madhu sai SAP ID:51834527 [0, 1, 2, 5, 7, 8, 9]

Process finished.

## JAVA\_QUIZ\_DAY\_5

Attempts allowed: 1

This quiz opened at Wednesday, 22 July 2020, 3:00 PM

This quiz will close at Wednesday, 22 July 2020, 4:00 PM

Time limit: 30 mins

# SUMMARY OF YOUR PREVIOUS ATTEMPTS

State	Marks / 20.00	Grade / 10.00	Review
Finished Submitted Wednesday, 22 July 2020, 3:55 PM	4.00	2.00	

# YOUR FINAL GRADE FOR THIS QUIZ IS 2.00/10.00.

No more attempts are allowed

Back to the course