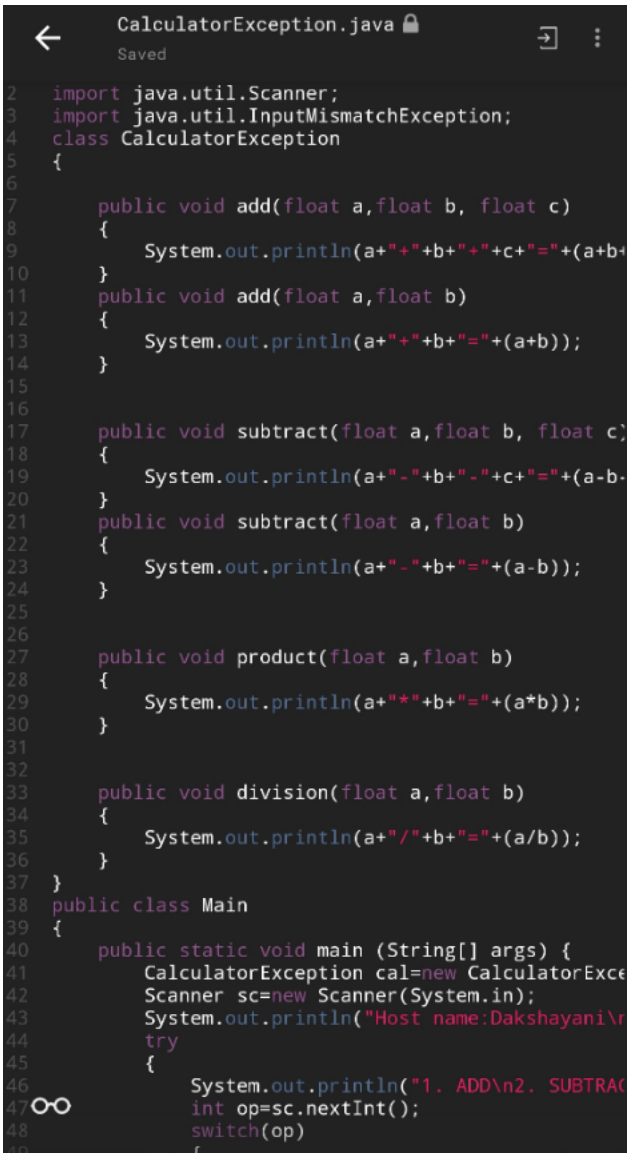
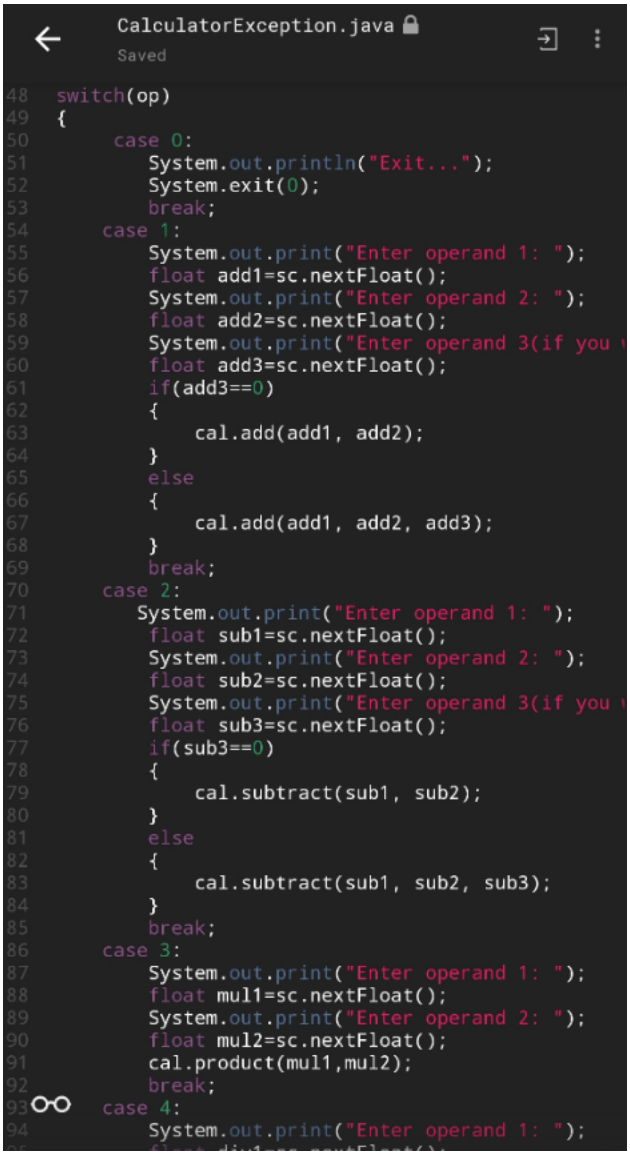
B. Dakshayani_july_22

1st question answer





CalculatorException.java

Saved

```
                if(sub3==0)
                {
                    cal.subtract(sub1, sub2);
                }
                else
                {
                    cal.subtract(sub1, sub2, sub3);
                }
                break;
            case 3:
                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;
            case 4:
                System.out.print("Enter operand 1:
                float div1=sc.nextFloat();
                System.out.print("Enter operand 2:
                float div2=sc.nextFloat();
                if(div2==0)
                {
                    throw new ArithmeticException("
                }
                cal.division(div1,div2);
                break;
            default:
                System.out.println("Invalid choice:
        }
    }
    catch(InputMismatchException ime)
    {
        System.out.println("You have entered input
    }
    catch(ArithmeticException ae)
    {
        System.out.println(ae.getMessage());
    }
```

CalculatorException.java

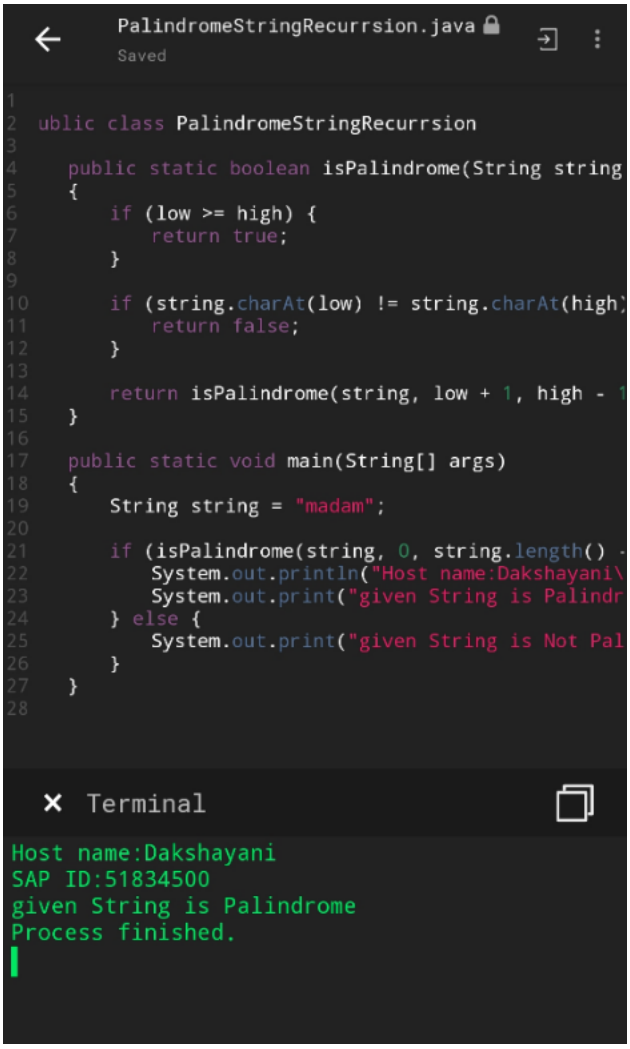
Saved

Terminal

```
Host name:Dakshayani
SAP ID:51834500
1. ADD
2. SUBTRACt
3. MULTIPLICATION
4. DIVISION
5. EXIT
Enter your choice:
4
Enter operand 1: 3
Enter operand 2: 0
Number cannot be divided by zero!!

Process finished.
```

2nd question and answer



3rd question and answer

OddCount.java

Saved

```java

import java.util.*;
public class OddCount
{
  public static void main (String[] args)
  {
    System.out.println("Host name:Dakshayani\n SAP
    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

  }
}
```

Terminal

```
Host name:Dakshayani
 SAP ID:51834500
enter a number :
3 7 4 6 10
no of odd digits in number are :1

Process finished.
```

5th question and answer

BubbleSortt.java

Saved

```java

import java.util.Arrays;
class BubbleSortt
{
    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 = { 24,38,21,58,45,10,54};

        bubbleSort(arr, arr.length);

        System.out.println("Host name:Dakshayani\nS
        System.out.println(Arrays.toString(arr));
    }
}
```

Terminal

```
Host name:Dakshayani
SAP ID:51834500
[10, 21, 24, 38, 45, 54, 58]

Process finished.
```

Quiz marks

Today I have BI so I didn't attempt the quiz