

```

5:26 day2.java
Saved

import java.util.Scanner;
import java.lang.Math;
import java.util.InputMismatchException;
class Calculator
{
    int add(int no1,int no2)
    {
        return no1+no2;
    }
    double add(double no1,double no2)
    {
        return no1+no2;
    }
    float add(float no1,float no2)
    {
        return no1+no2;
    }
    int sub(int no1,int no2)
    {
        return no1-no2;
    }
    double sub(double no1,double no2)
    {
        return no1-no2;
    }
    float sub(float no1,float no2)
    {
        return no1-no2;
    }
    int mul(int no1,int no2)
    {
        return no1*no2;
    }
    double mul(double no1,double no2)
    {
        return no1*no2;
    }
    float mul(float no1,float no2)
    {
        return no1*no2;
    }
    int div(int no1,int no2)
    {
        return no1/no2;
    }
    double div(double no1,double no2)
    {
        return no1/no2;
    }
    float div(float no1,float no2)
    {
        return no1/no2;
    }
    long power(int no1,int no2) throws Exception
    {
        if(no1<0 || no2<0)
        {
            throw new Exception("no1 or no2 can't be ne
        }
        if((no1==0 || no2==0)
        {
            throw new Exception("no1 or no2 can't be ze
        }
        return (long)Math.pow(no1,no2);
    }
}
class Solution
{
    public static void main(String args[])
    {
        System.out.println("Question no: 1");
        System.out.println("Author: B.padma sai");
        System.out.println("Sap id: 51834617");
        Scanner sc=new Scanner(System.in);
        Calculator c=new Calculator();
        try
        {
            while(true)
            {
                System.out.println("Choose your option\n1.add
                int option=sc.nextInt();
                switch(option)
                {
                    case 1 :
                        System.out.println("Enter first number :
                        double first=sc.nextInt();
                        System.out.println("Enter second number :
                        double second=sc.nextInt();
                        System.out.println(first+"*"+second+"="+c
                        break;
                    case 2 :
                        System.out.println("Enter first number :
                        first=sc.nextInt();
                        System.out.println("Enter second number :
                        second=sc.nextInt();
                        System.out.println(first+"-"+second+"="+c
                        break;
                    case 3 :
                        System.out.println("Enter first number :
                        first=sc.nextInt();
                        System.out.println("Enter second number :
                        second=sc.nextInt();
                        if(first==0 && second==0)
                        {
                            throw new Exception("Both numbers canno
                        }
                        System.out.println(first+"**"+second+"="+c
                        break;
                    case 4 :
                        System.out.println("Enter first number :
                        first=sc.nextInt();
                        System.out.println("Enter second number :
                        second=sc.nextInt();
                        if(second==0)
                        {
                            throw new Exception("You cannot divide
                        }
                        System.out.println(first+"/"+second+"="+c
                        break;
                    case 5 :
                        System.out.println("Enter the base number
                        int base=sc.nextInt();
                        System.out.println("Enter the exponent :
                        int exp=sc.nextInt();
                        System.out.println(c.power(base,exp));
                        break;
                    case 6 :
                        System.exit(0);
                    default :
                        System.out.println("Invalid input");
                }
            }
        }
        catch(InputMismatchException i)
        {
            System.out.println("Invalid input");
        }
        catch(ArithmeticException ae)
        {
            System.out.println(ae.getMessage());
        }
        catch(Exception e)
        {
            System.out.println(e.getMessage());
        }
    }
}

```

x Terminal



```
Question no: 1
Author: B.padma sai
Sap id: 51834617
Choose your option
1.add
2.subtract
3.multiply
4.Division
5.power
6.exit
1
Enter first number :
34
Enter second number :
6
34.0+6.0=40.0
Choose your option
1.add
2.subtract
3.multiply
4.Division
5.power
6.exit
6

Process finished.
```

Ad



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recursion.java



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```
1 import java.util.Scanner;
2 public class RecursionPalindrome
3 {
4     // to check if string is palindrome using recursion
5     public static boolean checkPalindrome(String str)
6     {
7         if(str.length() == 0 || str.length() == 1)
8             return true;
9         if(str.charAt(0) == str.charAt(str.length() - 1))
10             return checkPalindrome(str.substring(1, str.length() - 1));
11         return false;
12     }
13     public static void main(String[] args)
14     {
15         System.out.println("Question no:2");
16         System.out.println("Author: B.padmasai");
17         System.out.println("Sap id: 51834617");
18         Scanner sc = new Scanner(System.in);
19         System.out.println("Enter a string : ");
20         String strInput = sc.nextLine();
21         if(checkPalindrome(strInput))
22         {
23             System.out.println(strInput + " is palindrome")
24         }
25         else
26         {
27             System.out.println(strInput + " not a palindrome")
28         }
29         sc.close();
30     }
31 }
32
33
34
```

× Terminal



```
Question no:2
Author: B.padmasai
Sap id: 51834617
Enter a string :
roor
roor is palindrome
```



day2.java



Saved

```
1 import java.util.*;
2 public class OddNumbers
3 {
4     public static void main (String[] args)
5     {
6         System.out.println("Question no:3");
7         System.out.println("Author : B.padma sai");
8         System.out.println("SAP : 51834617");
9         int count=0;
10        int rem=0 ;
11        Scanner sc=new Scanner(System.in);
12        System.out.println("Enter a number: ");
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("odd Numbers: "+count);
24    }
25 }
26 }
```

× Terminal



```
Question no:3
Author : B.padma sai
SAP : 51834617
Enter a number:
13426829
odd Numbers: 3
```



day2.java



Saved



```
1 import java.util.Scanner;
2 class Pattern
3 {
4     public static void main(String args[])
5     {
6         System.out.println("Question no: 4");
7         System.out.println("Author: B.padma sai");
8         System.out.println("Sap id: 51834617");
9         int k=1;
10        for(int i=1;i<=5;i++)
11        {
12            for(int j=1;j<=i;j++)
13            {
14                if(j==1)
15                {
16                    k=j;
17                }
18                if(i!=4)
19                {
20                    if(i%2==0)
21                    {
22                        if(j%2!=0)
23                        {
24                            k=j+1;
25                            System.out.print(k);
26                            k=k-1;
27                        }
28                        else
29                        {
30                            System.out.print(k);
31                        }
32                    }
33                    else
34                    {
35                        if(j%2==0)
36                        {
37                            k=j+1;
38                            System.out.print(k);
39                            k=k-1;
40                        }
41                        else
42                        {
43                            System.out.print(k);
44                        }
45                    }
46                }
47                else
48                {
49                    System.out.print(j);
50                }
51            }
52            System.out.println();
53        }
54    }
55 }
```

× Terminal



```
Question no: 4
Author: B.padma sai
Sap id: 51834617
1
21
132
1234
13254

Process finished.
```

Ad

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day2.java



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```
1 class BubbleSort
2 {
3     public static void main (String[] args)
4     {
5         int a[] = {16, 19, 11, 15, 10, 12, 14};
6         for(int j = 0; j<a.length; j++)
7         {
8             boolean swapped = false;
9             int i = 0;
10            while(i<7-1)
11            {
12                if (a[i] > a[i+1])
13                {
14                    int temp = a[i];
15                    a[i] = a[i+1];
16                    a[i+1] = temp;
17                    swapped = true;
18                }
19                i++;
20            }
21            if (!swapped)
22                break;
23        }
24        System.out.println("After Bubble Sorting: ");
25        for(int x : a)
26        {
27            System.out.print(x+" ");
28        }
29    }
30 }
```

× Terminal



```
After Bubble Sorting:
10 11 12 14 15 16 19
Process finished.
```



# JAVA\_QUIZ\_DAY\_5

Attempts allowed: 1

This quiz closed on Wednesday, 22 July  
2020, 4:00 PM

Time limit: 30 mins

## SUMMARY OF YOUR PREVIOUS ATTEMPTS

State	Marks	Grade	Review
	/	/	
	20.00	10.00	
Finished	8.50	4.25	Not
Submitted			permitted
Wednesday,			
22 July			
2020, 3:56			
PM			



YOUR FINAL GRADE  
FOR THIS QUIZ IS  
4.25/10.00.

No more attempts are allowed

Back to the course