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Java Lab Evaluation 1:

Even:

Problem 1:

Program:

```
import java.util.Scanner;

public class Pattern{

    public static void main(String[] args) {
        Scanner s = new Scanner(System.in);
        System.out.println("Please enter the input
Number: ");
        int n = s.nextInt();

        for(int i = 0; i <= n*2 ; i++){
            if(i%2 != 0){
                for(int j = 0 ; j < i; j++ ){
                    System.out.print(" *");
                }
                System.out.println();
            }
        }
    }
}
```

Example:

Please enter the input Element:

4

```
*
* * *
* * * * *
* * * * * * *
```

Where 4 is input;

Problem 2:

Program:

```
import java.util.Scanner;

public class TwoDAdd{
    public static void main(String[] args) {
        Scanner s = new Scanner(System.in);
        System.out.print("Please input the order of matrix: ");
        int n = s.nextInt();

        int matrix1[][] = new int[n][n];
        int matrix2[][] = new int[n][n];
        int x=0,y=0;

        System.out.println("Please input Matrix 1: ");
        for(int i = 0 ; i < n ; i++){
            for(int j = 0 ; j < n ; j++){
                System.out.print("Please input value for row = " + (i+1) + " " + ",
Column = " + (j+1) + " :");
                matrix1[i][j] = s.nextInt();
            }
        }

        System.out.println("Please input Matrix 2: ");
        for(int i = 0 ; i < n ; i++){
            for(int j = 0 ; j < n ; j++){
                System.out.print("Please input value for row = " + (i+1) + " " + ",
Column = " + (j+1) + " :");
                matrix2[i][j] = s.nextInt();
            }
        }

        System.out.print("Required Output is: ");
        for(int i = 0 ; i < n ; i++){
            for(int j = 0 ; j < n ; j++){
                if(j == 0 ){
                    x += matrix1[i][j];
                    y += matrix2[i][j];
                }
            }
        }
    }
}
```

```
    }  
}  
  
    System.out.print(x + y);  
    System.out.println();  
  
}  
}
```

Example:

Please input the order of matrix: 2

Please input Matrix 1:

Please input value for row = 1 , Column = 1
:1

Please input value for row = 1 , Column = 2
:2

Please input value for row = 2 , Column = 1
:3

Please input value for row = 2 , Column = 2
:4

Please input Matrix 2:

Please input value for row = 1 , Column = 1
:5

Please input value for row = 1 , Column = 2
:6

Please input value for row = 2 , Column = 1
:7

Please input value for row = 2 , Column = 2
:8

Required Output is: 16