Result & Analysis

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Attempt 1

IP Address: 2401:4900:4dd8:2a7f:e479:d824:a6d0:e439, 2401:4900:4df1:9075:fd64:fcb:b473:6418, 117.239.104.11

Tab switches: 0 **OS used:** Windows **Browser used:** Chrome

Test Duration: 04:49:06 **Test Start Time:** Oct 4, 2022 | 07:46 PM

Test Submit Time: Oct 10, 2022 | 09:44 AM **Resume Count:** 3

Overall score

150 / 150

Rank: NA

Topper score: 150.00 / 150

Average score: 24.63 / 150

Least score: 0.00 / 150

Coding

150 / 150

Rank: NA

Topper score: 150.00 / 150

Average score: 147.78 / 150

Least score: 140.00 / 150

Overall Question Status

15 / 15

Total Questions: 15

Questions Attempted: 15

Questions Correct: 15

Question Wrong: 0

Partially Correct: 0

Question Not Viewed: 0

Questions Skipped : 0

Coding - Question Status

15 / 15

Total Questions: 15

Questions Attempted: 15

Questions Correct: 15

Question Wrong: 0

Partially Correct: 0

Question Not Viewed: 0

Questions Skipped : 0

Topic wise Analysis Coding

Question No: 1 **Single File Programming Question** **Report Error**

Problem Statement:-

Write a program to generate the first 'n' terms of the following series 1, 2, 3, 6, 9, 18, 27,...

Input format

The input consists of an integer 'n' which denotes the number of terms to be printed in the series.

Output format

The output consists of the series.
Refer to the sample output for formatting.

Sample testcases

Input 1	Output 1
6	1 2 3 6 9 18
Input 2	**Output 2**
5	1 2 3 6 9

Java (11)

```java
// You are using Java
import java.util.Scanner;
class main{
    public static void main(String[] args){
        Scanner sc=new Scanner(System.in);
        int n=sc.nextInt();
        int a=1,b=2;
        System.out.print(a+" "+b+" ");
        for(int i=1;i<n-1;i++){
            if(i%2==1){
                a=a*3;
                System.out.print(a+" ");
            }
            if(i%2==0){
                b=b*3;
                System.out.print(b+" ");
            }
        }
    }
}
```

Status: Correct **Mark obtained:** 10/10 **Hints used:** 0

Times compiled: 24 **Times submitted:** 2 **Level:** Easy

Question type: Single File Programming **Subject:** Programming

Subject: Java Programming **Subject:** Branching and Looping **Blooms Taxonomy:** Apply

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Question No: 2 **Single File Programming Question** **Report Error**

Problem Statement:-

Write a program to generate the first 'n' terms of the following series 6, 11, 21, 36, 56,...

Input format

The input is an integer 'n' which denotes the number of terms to be printed in the series.

Output format

The output consists of the series.
Refer to the sample output for formatting.

Sample testcases

Input 1	Output 1
5	6 11 21 36 56

Input 2	Output 2
6	6 11 21 36 56 81

Java (11)

```
// You are using Java
import java.util.Scanner;
class main{
    public static void main(String[] args){
        Scanner sc=new Scanner(System.in);
        int n=sc.nextInt();
        int a=6;
        int diff=5;
        for(int i=1;i<=n;i++){
            System.out.print(a+" ");
            a=(a+diff);
            diff=diff+5;
        }
    }
}
```

Status: Correct **Mark obtained:** 10/10 **Hints used:** 0

Times compiled: 8 **Times submitted:** 2 **Level:** Easy

Question type: Single File Programming **Subject:** Programming

Subject: Java Programming **Subject:** Branching and Looping **Blooms Taxonomy:** Apply

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Question No: 3 **Single File Programming Question** **Report Error**

Problem Statement:-

Write a program to generate the following series 0,2,8,14,...,34.

Input format

The input consists of an integer 'n' which denotes the number of terms to be printed in the series.

Output format

The output consists of the series and refer to the sample output for formatting.

Sample testcases

Input 1	Output 1
5	0 2 8 14 24
Input 2	**Output 2**
6	0 2 8 14 24 34

Java (11)

```
// You are using Java
import java.util.Scanner;
class main{
    public static void main(String[] args){
        Scanner sc=new Scanner(System.in);
        int n=sc.nextInt();
```

```
            int n=sc.nextInt();
            double ans;
            for(int i=1;i<=n;i++){
                if(i%2==0){
                    ans=(Math.pow(i,2))-2;
                    System.out.print(Math.round(ans)+" ");
                }else{
                    ans=(Math.pow(i,2))-1;
                    System.out.print(Math.round(ans)+" ");
                }
            }
        }
    }
```

Status: Correct **Mark obtained:** 10/10 **Hints used:** 0

Times compiled: 1 **Times submitted:** 4 **Level:** Easy

Question type: Single File Programming **Subject:** Programming

Subject: Java Programming **Subject:** Branching and Looping **Blooms Taxonomy:** Apply

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Question No: 4 **Single File Programming Question** **Report Error**

Problem Statement :

Print continuous number

Write a program to print all numbers between a and b (a and b inclusive) using a while loop.

Input format

The input consists of 2 integers. The first integer corresponds to a and the second integer corresponds to b. Assume a>=b.

Output format

Refer to sample Input and Output for formatting specifications.

Sample testcases

Input 1	Output 1
4 10	4 5

6
7
8
9
10

Input 2

```
6
10
```

Output 2

```
6
7
8
9
10
```

Java (11)

```java
// You are using Java
import java.util.Scanner;
class main{
    public static void main(String[] args){
        Scanner sc=new Scanner(System.in);
        int s=sc.nextInt();
        int e=sc.nextInt();
        for(int i=s;i<=e;i++){
            System.out.println(i);
        }
    }
}
```

Status: Correct **Mark obtained:** 10/10 **Hints used:** 0

Times compiled: 1 **Times submitted:** 2 **Level:** Easy

Question type: Single File Programming **Subject:** Programming

Subject: Java Programming **Subject:** Branching and Looping **Blooms Taxonomy:** Apply

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Question No: 5 **Single File Programming Question** **Report Error**

Problem Statement :

Kaprekar Number

Consider an n-digit number k. Square it and add the right n digits to the left n or n-1 digits. If the resultant sum is k, then k is called a Kaprekar number. For example, 9 is a Kaprekar number since 9^2 = 81 & 8+1=9. and 297 is a Kaprekar number since 297^2 = 88209 & 88+209 = 297

Input format

Input consists of a single integer.

Output format

Refer sample output for details.

Sample testcases

Input 1	Output 1
9	Kaprekar Number
Input 2	**Output 2**
92	Not a Kaprekar Number

Java (11)

```java
// You are using Java
import java.util.Scanner;
class main{
    public static void main(String[] args){
        Scanner sc=new Scanner(System.in);
        int n=sc.nextInt();
        int sq=n*n;
        int temp=n;
        int count=0;
        while(n>0){
            count++;
            n/=10;
        }
        int q=sq/(int)Math.pow(10,count);
        int rem=sq%(int)Math.pow(10,count);
        if((q+rem)==temp){
            System.out.println("Kaprekar Number");
        }else{
            System.out.println("Not a Kaprekar Number");
        }

    }
}
```

Status: Correct **Mark obtained:** 10/10 **Hints used:** 0

Times compiled: 1 **Times submitted:** 2 **Level:** Easy

Question type: Single File Programming **Subject:** Programming

Subject: Java Programming **Subject:** Branching and Looping **Blooms Taxonomy:** Apply

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Question No: 6 **Single File Programming Question** **Report Error**

Problem Statement :

Trendy Numbers

Write a program to check whether the given number is a trendy number or not. A number is said to be a trendy number if and only if it has 3 digits and the middle digit is divisible by 3.

Input format

The input containing an integer 'n' which denotes the given number

Output format

If the given number is a trendy number, then print "Trendy Number". Otherwise, print "Not a Trendy Number".

Sample testcases

Input 1	Output 1
164	164 is trendy number
Input 2	**Output 2**
123	123 is not a trendy number
Input 3	**Output 3**
4	4 is not a trendy number
Input 4	**Output 4**
2345	2345 is not a trendy number

Java (11)

```
1  // You are using Java
2  import java.util.Scanner;
3  class main{
```

```
    public static void main(String[] args){
        Scanner sc=new Scanner(System.in);
        int n=sc.nextInt();
        int rem;
        if(n%100>=10){
            rem=n%100;
            rem=rem/10;
            if(rem%3==0)
                System.out.println(n+" is trendy number");
            else
                System.out.println(n+" is not a trendy number");
        }else{
            System.out.println(n+" is not a trendy number");
        }
    }
}
```

Status: Correct **Mark obtained:** 10/10 **Hints used:** 0

Times compiled: 5 **Times submitted:** 2 **Level:** Easy

Question type: Single File Programming **Subject:** Programming

Subject: Java Programming **Subject:** Branching and Looping **Blooms Taxonomy:** Apply

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Question No: 7 **Single File Programming Question** **Report Error**

Problem Statement :

Target Practice

Drona normally trains his disciples using a board that consists of concentric circles. When the student correctly hits the center of the concentric circles, his score is 100. The score gets reduced depending on where the students hit on the board. When the student hits outside the board, his score is 0. Drona will not allow a student to have his food unless he scores 100. Arjuna will always hit the target in his first attempt and he will leave early. Others may take more turns to reach a score of 100. Can you write a program to determine the number of turns a disciple takes to reach the target score of 'n'?

Input format

Input consists of a list of positive integers. The first integer corresponds to the target score 'n'. Assume that all the other integers input are less than or equal to target score

Output format

Output consists of a single line representing number of turns. Refer sample output for format details.

Sample testcases

Input 1	Output 1
100 4 40 60	The number of turns is 3

Input 2	Output 2
50 20 30 40	The number of turns is 2

Java (11)

```java
// You are using Java
import java.util.Scanner;
class main{
    public static void main(String[] args){

        Scanner sc=new Scanner(System.in);
        int n=sc.nextInt();
        int t1=sc.nextInt();
        int t2=sc.nextInt();
        int t3=sc.nextInt();
        if(n<=t1+t2 && n<=t1+t3){
            System.out.println("The number of turns is 2");
        }else{
            System.out.println("The number of turns is 3");
        }
    }
}
```

Status: Correct **Mark obtained:** 10/10 **Hints used:** 0

Times compiled: 2 **Times submitted:** 3 **Level:** Easy

Question type: Single File Programming **Subject:** Programming

Subject: Java Programming **Subject:** Branching and Looping **Blooms Taxonomy:** Apply

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Question No: 8 Single File Programming Question Report Error

Problem Statement :

Handshakes

It was Stefan's first day at school. His teacher Elena Gilbert asked the students to meet every other student in the class and introduce themselves. The teacher asked them to handshake each other when they meet. If there are n number of students in the class then find the total number of handshakes made by the students.

Input format

The input consists of 1 integer. The first input corresponds to the total number of students.

Output format

The output consists of 1 integer.

Sample testcases

Input 1	Output 1
15	105
Input 2	**Output 2**
4	6

Java (11)

```java
// You are using Java
import java.util.Scanner;
class main{
    public static void main(String[] args){
        Scanner sc=new Scanner(System.in);
        int n=sc.nextInt();
        int ans=n*(n-1)/2;
        System.out.print(ans);
    }
}
```

Status: Correct **Mark obtained:** 10/10 **Hints used:** 0

Times compiled: 1 **Times submitted:** 2 **Level:** Easy

Question type: Single File Programming **Subject:** Programming

Subject: Java Programming **Subject:** Branching and Looping **Blooms Taxonomy:** Apply

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Question No: 9 **Single File Programming Question** **Report Error**

Problem Statement :

SPECIAL NUMBER

Write a program to find all special numbers between given range m and n(both inclusive). Assume that m and n are 2-digit numbers.

A 2-digit number is said to be a special number if the sum of its digits and the products of its digits is equal to the number itself.

For example, 19 is a special number.

The digits in 19 are 1 and 9. The sum of the digits is 10 and the product of the digits is 9. 10+9 = 19.

Input format

The input consists of 2 integers m and n denotes the range

Output format

Print the special numbers as shown in the sample output.

Sample testcases

Input 1	Output 1
11 30	19 29

Input 2	Output 2
28 60	29 39

49
59

Java (11)

```java
// You are using Java
import java.util.Scanner;
class main{
    public static void main(String[] args){
        Scanner sc=new Scanner(System.in);
        int m=sc.nextInt();
        int n=sc.nextInt();
        int temp,rem;
        for(int i=m;i<=n;i++){
            rem=i%10;
            temp=i/10;
            if((temp+rem)+(temp*rem)==i){
                System.out.println(i);
            }
        }
    }
}
```

Status: Correct **Mark obtained:** 10/10 **Hints used:** 0

Times compiled: 1 **Times submitted:** 2 **Level:** Easy

Question type: Single File Programming **Subject:** Programming

Subject: Java Programming **Subject:** Branching and Looping **Blooms Taxonomy:** Apply

☐ Show testcase scores ☐ Show solution

Question No: 10 **Single File Programming Question** **Report Error**

Problem Statement :

Lucas Sequence

a = 0, b=0, c=1 are the 1st three terms. All other terms in the Lucas sequence are generated by the sum of their 3 most recent predecessors. Write a program to generate the first n terms of a Lucas Sequence.

Input format

The input contains an integer 'n' which denotes the given number

Output format

Print the 'n' terms of the Lucas Sequence, separated by a single space. There are no leading or trailing spaces in the output.

Sample testcases

Input 1	Output 1
5	0 0 1 1 2

Input 2	Output 2
4	0 0 1 1

Java (11)

```java
// You are using Java
import java.util.Scanner;
class main{
    public static void main(String[] args){
        Scanner sc=new Scanner(System.in);
        int n=sc.nextInt();
        int a=0,b=0,c=1;
        System.out.print(a+" "+b+" "+c);
        for(int i=4;i<=n;i++){
            int d=a+b+c;
            System.out.print(" "+d);
            a=b;
            b=c;
            c=d;
        }
    }
}
```

Status: Correct **Mark obtained:** 10/10 **Hints used:** 0

Times compiled: 13 **Times submitted:** 5 **Level:** Easy

Question type: Single File Programming **Subject:** Programming

Subject: Java Programming **Subject:** Branching and Looping **Blooms Taxonomy:** Apply

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Question No: 11 **Single File Programming Question** **Report Error**

Problem statement:

Write a program to print half pyramid using alphabets.

Input: 5

Output
A
B B
C C C
D D D D
E E E E E

Input format

Number of lines

Output format

Refer to the sample output for the specifications.

Sample testcases

Input 1	Output 1
5	A B B C C C D D D D E E E E E

Java (11)

```java
// You are using Java
import java.util.Scanner;
class main{
    public static void main(String[] args){
        Scanner sc=new Scanner(System.in);
        int n=sc.nextInt();
        char c='A';
        for(int i=1;i<=n;i++){
            for(int j=1;j<=i;j++){
                System.out.print(c+" ");
            }
            System.out.println();
            c++;
        }
    }
}
```

Status: Correct **Mark obtained:** 10/10 **Hints used:** 0

Times compiled: 2 **Times submitted:** 2 **Level:** Medium

Question type: Single File Programming **Subject:** Programming

Subject: Java Programming **Subject:** Branching and Looping **Blooms Taxonomy:** Apply

☐ Show testcase scores ☐ Show solution

Question No: 12 **Single File Programming Question** **Report Error**

Problem statement:
Write a java program to print this pattern.

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

Input format

An integer input in first line

Output format

Refer the sample output

Sample testcases

Input 1	Output 1
5	* * * * * * * * * * * * * * *

Input 2	Output 2
4	* * * * * * *

* *

Java (11)

```java
// You are using Java
import java.util.Scanner;
class main{
    public static void main(String[] args){
        Scanner sc=new Scanner(System.in);
        int n=sc.nextInt();
        for(int i=n;i>=0;i--){
            for(int j=1;j<=i;j++){
                System.out.print("* ");
            }
            System.out.println();
        }
    }
}
```

Status: Correct **Mark obtained:** 10/10 **Hints used:** 0

Times compiled: 2 **Times submitted:** 2 **Level:** Easy

Question type: Single File Programming **Subject:** Programming

Subject: Java Programming **Subject:** Branching and Looping **Blooms Taxonomy:** Apply

☐ Show testcase scores ☐ Show solution

Question No: 13 **Single File Programming Question** **Report Error**

Problem statement:

Write a java program to print a half pyramid using numbers.

1
1 2
1 2 3
1 2 3 4
1 2 3 4 5

Input format

The first input consists of N value.

Output format

The output prints the pattern

Sample testcases

Input 1	Output 1
5	1 1 2 1 2 3 1 2 3 4 1 2 3 4 5

Input 2	Output 2
4	1 1 2 1 2 3 1 2 3 4

Java (11)

```java
// You are using Java
import java.util.Scanner;
class main{
    public static void main(String[] args){
        Scanner sc=new Scanner(System.in);
        int n=sc.nextInt();
        for(int i=1;i<=n;i++){
            for(int j=1;j<=i;j++){
                System.out.print(j+" ");
            }
            System.out.println();
        }
    }
}
```

Status: Correct **Mark obtained:** 10/10 **Hints used:** 0

Times compiled: 3 **Times submitted:** 2 **Level:** Medium

Question type: Single File Programming **Subject:** Programming

Subject: Java Programming **Subject:** Branching and Looping **Blooms Taxonomy:** Apply

☐ Show testcase scores ☐ Show solution

Question No: 14 **Single File Programming Question** **Report Error**

Problem statement:
Write a java program to program for half diamond pattern printing using numbers and stars.

Input format

The input gets the N value.

Output format

Refer to the sample output for the specifications.

Sample testcases

Input 1

```
4
```

Output 1

```
1
2*2
3*3*3
4*4*4*4
4*4*4*4
3*3*3
2*2
1
```

Input 2

```
3
```

Output 2

```
1
2*2
3*3*3
3*3*3
2*2
1
```

Java (11)

```
// You are using Java
import java.util.Scanner;
class main{
    public static void main(String[] args){
        Scanner sc=new Scanner(System.in);
        int n=sc.nextInt();
        for(int i=1;i<=n;i++){
            for(int j=1;j<i;j++){
```

```
 9                 System.out.print(i+"*");
10             }
11             System.out.println(i);
12         }
13         for(int i=n;i>0;i--){
14             for(int j=1;j<i;j++){
15                 System.out.print(i+"*");
16             }
17             System.out.println(i);
18         }
19     }
20 }
```

Status: Correct **Mark obtained:** 10/10 **Hints used:** 0

Times compiled: 12 **Times submitted:** 3 **Level:** Medium

Question type: Single File Programming **Subject:** Programming

Subject: Java Programming **Subject:** Branching and Looping **Blooms Taxonomy:** Apply

☐ Show testcase scores ☐ Show solution

Question No: 15 **Single File Programming Question** **Report Error**

Problem statement:
Write a java program to print the pascal's triangle.

```
      1
    1   1
  1   2   1
1   3   3   1
1   4   6   4   1
```

Input format

The first input integer is the number of rows

Output format

The output prints the pascal's triangle.

Sample testcases

Input 1	Output 1

6

```
          1
        1   1
      1   2   1
    1   3   3   1
  1   4   6   4   1
1   5  10  10   5   1
```

Input 2

4

Output 2

```
      1
    1   1
  1   2   1
1   3   3   1
```

Java (11)

```java
// You are using Java
import java.util.Scanner;
class main{
    public static void main(String[] args){
        Scanner sc=new Scanner(System.in);
        int n=sc.nextInt();
        for(int i=0;i<n;i++){
            for(int j=1;j<n-i;j++){
                System.out.print("  ");
            }
            int c=1;
            for(int k=0;k<=i;k++){
                if(c<10)
                System.out.print("   "+c);
                else
                System.out.print("  "+c);
                c=c*(i-k)/(k+1);

            }
            System.out.println();
        }
    }
}
```

Status: Correct **Mark obtained:** 10/10 **Hints used:** 0

Times compiled: 58 **Times submitted:** 3 **Level:** Medium

Question type: Single File Programming **Subject:** Programming

Subject: Java Programming **Subject:** Branching and Looping **Blooms Taxonomy:** Apply

☐ Show testcase scores ☐ Show solution