

## Array & Pattern

**Q1.** ISBN-10 identifiers are ten digits long. The first nine characters are digits 0-9. The last digit can be 0-9 or X, to indicate a value of 10. An ISBN-10 number is valid if the sum of the digits multiplied by their position modulo 11 equals zero.

## For example:

ISBN: 11122233339 position: 12345678910 This is a valid ISBN, because:

(1\*1 + 1\*2 + 1\*3 + 2\*4 + 2\*5 + 2\*6 + 3\*7 + 3\*8 + 3\*9 + 9\*10) % 11 = 0

## **Examples**

1112223339 --> true 111222333 --> false

In [ ]:

Q2. Write Java Program to find sum of Array.

Example:

```
input:

x = {2,3,4,5,6,7,8,5,4}

output:

44
```

In [ ]:

Q3. Write Java Program to find index wise sum of two Array.

## Example:

output:

7, 7, 7, 8, 10, 12, 14, 11, 12

Q4 Write Java Program to find maximum, minimum values from Array. Example: Input: num =  $\{2,3,4,5,6,76,7,4\}$ Output: minimum: 2 maximum: 76 In [ ]: Q5. Write the Java program to find duplicate values from Array. Example Input: num = {3,4,5,6,7,6,54,45,4,3,7} Output: 3467 In [ ]: Q6. Write the Java program to Print Triangle. Output In [ ]: Q7. Write the Java program to Print Reverse Of Pyramid. Output 1 2 3 4 5 6 2 3 4 5 6 3 4 5 6 4 5 6 5 6 6 Q8. Write the Java program to Print Numbers without re assigning. Output. 1 2 3 4 5 6 7 8 9 10

11 12 13 14 15

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In [ ]: