**Week #3**

# Write a java program to insert 10, 20, 30 ....in an array and display them.

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# Write a java program to calculate the sum of all the array elements.

# Write a java program to print the following pattern: 1 12 123 1234 12345

# Write a Java program to find the sum of following series where n is input by the user: 1+1/2+1/3+1/4+...............+1/n.

# Write a Java program and compute the sum of the digits of an integer.

# Write a Java program to calculate the factorial of a number

# Write a Java program to find the largest element in a given integer array.

# Write a Java program to reverse the digits of a given integer.

# Write a Java program to check if a given number is a palindrome or not.

# Write a Java program to convert a decimal number into Hexadecimal number and vice-versa.

# Write a Java program to print the following pattern: \* \*\* \*\*\* \*\* \*