# **ZERO ONE CODER**



https://www.youtube.com/@zero\_onecoder

# **Program List**

### **Day 1:**

- 1. Write a program to convert Fahrenheit to Celsius.
- 2. Write a program to find area of circle / right angel.
- 3. Write a program to swap two number / without temporary variable.
- 4. Write a program to find largest number from 3 numbers.
- 5. Write a program to determine leap year.
- 6. Write a program to check whether triangle is valid or not.
- 7. Write a program to find area of any triangle.
- 8. Write a program to take an input from user and express in word.
- 9. Write a program to take days as an input and it convert into year, month, days.
- 10. Write a program to take seconds as an input and convert into hour, minute, seconds.

#### **Day 2:**

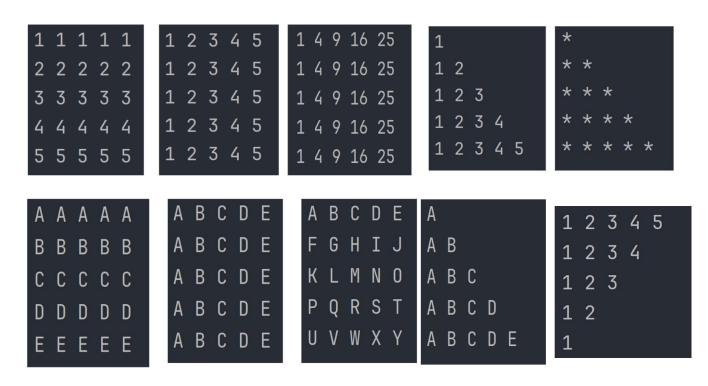
- 1. Write a program to check whether it is alphabet, digit, or special character.
- 2. Write a program to calculate roots of a quadratic equation.
- 3. Write a program to count digit of a number.
- 4. Write a program to sum of digit.
- 5. Write a program to reverse a number.
- 6. Write a program to check a number palindrome or not.
- 7. Write a program to find factorial of a number.
- 8. Write a program to reverse a string.
- 9. Write a program to check a string palindrome or not.
- 10. Write a program to convert binary to decimal.

## **Day 3:**

- 1. Write a program to print 1 to n and sum of all the numbers.
- 2. Write a program to find the factor of a number and sum of all factors.
- 3. Write a program to summation of this series 2+4+6+8+...+n
- 4. Write a program to summation of this series 1+3+5+7+...+n
- 5. Write a program to summation of this series  $1^2+2^2+3^2+4^2+...+n^2$
- 6. Write a program to summation of this series  $1^1+2^2+3^3+4^4+...+n^n$
- 7. Write a program to summation of this series 1/1+1/2+1/3+1/4+1/5+....+1/n
- 8. Write a program to summation of this series  $1/1! + 1/2! + 1/3! + 1/4! + 1/5! + \dots + 1/n!$
- 9. Write a program to summation of this series  $1/1^2+2/2^2+3/3^2+4/4^2+...+n/n^2$
- 10. Write a program to summation of this series  $1^2-3^2+5^2-7^2+...-n^2$

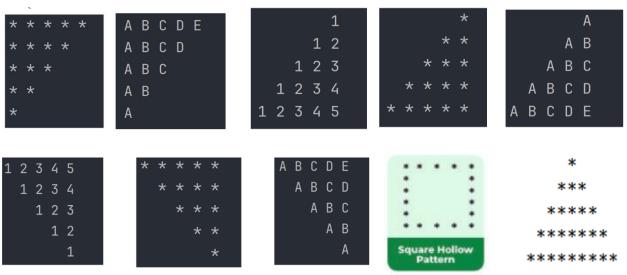
#### **Day 4:**

➤ Write a program to print all the pattern



### **Day 5:**

➤ Write a program to print all the pattern



# **Day 6:**

- 1. Write a program to check prime or not.
- 2. Write a program to print all prime number between 1 to n.
- 3. Write a program to check perfect number.
- 4. Write a program to check strong number.
- 5. Write a program to check Armstrong number.
- 6. Write a program to print Fibonacci series.
- 7. Write a program to find GCD and LCM.
- 8. Write a program to sum this series 1+(1+2)+(1+2+3)+(1+2+3+4)+.....(1+2+3+4+.....+n).
- 9. Write a program to Summation of this series 1\*3+2\*5+3\*7+....n\*(2n+1).
- 10. Write a program to find largest number on a list.

# **Day 7:**

- 1. Write a program to read n number of values and display in reverse order.
- 2. Write a program to sum of all element of the list.
- 3. Write a program to count total number of duplicate element of the list.
- 4. Write a program to sort all the element in ascending order.
- 5. Write a program to sort all the element in descending order.
- 6. Write a program to print all unique element of the list.
- 7. Write a program to find second largest element of the list.
- 8. Write a program to find summation of 2d list.
- 9. Write a program to find max and min element of the 2d list.
- 10. Write a program to find average of the element in a 2d list.