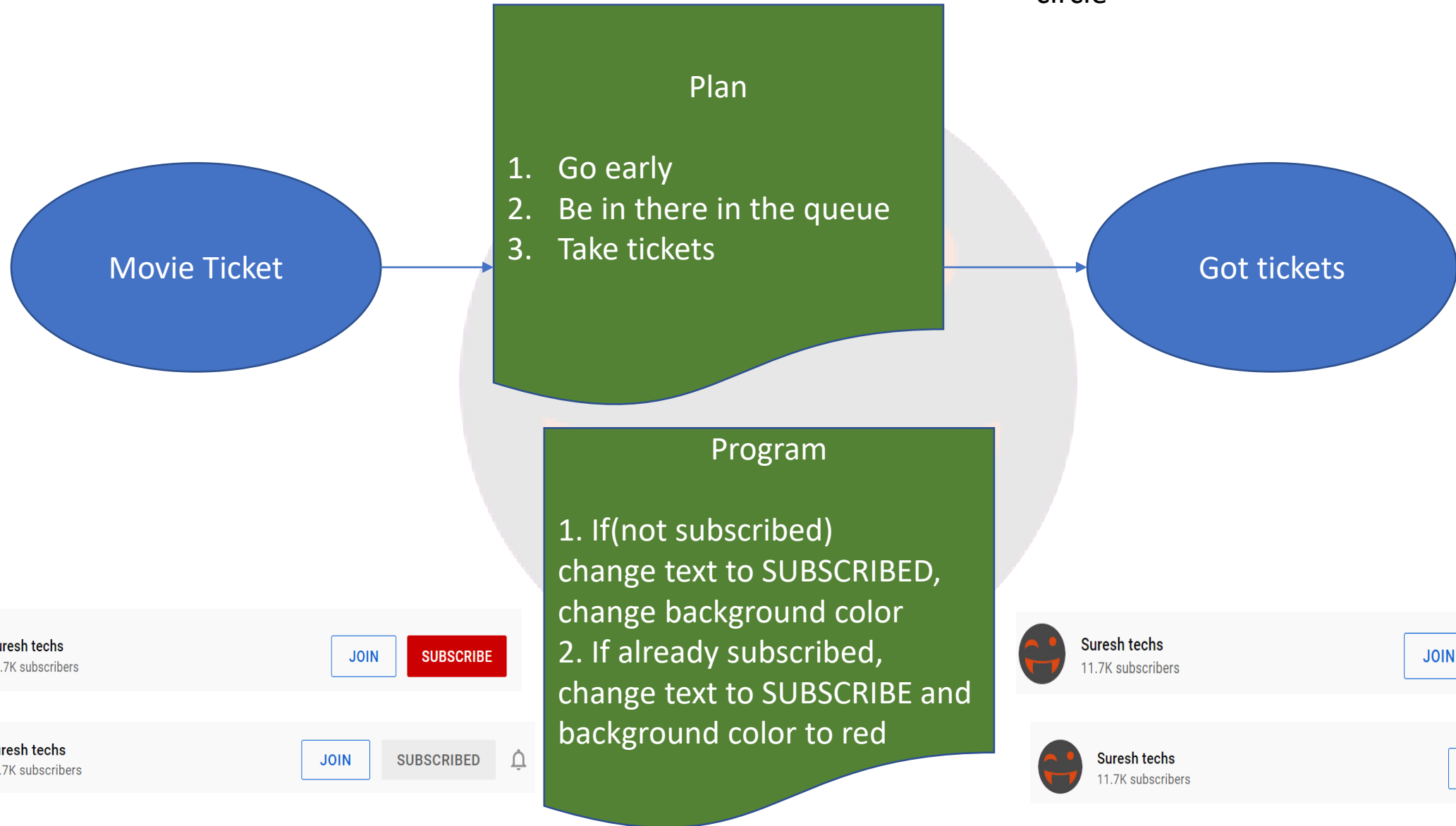




**20 Programs for interview**

# What is a program?

1. Online booking
2. Talk to your friend's circle



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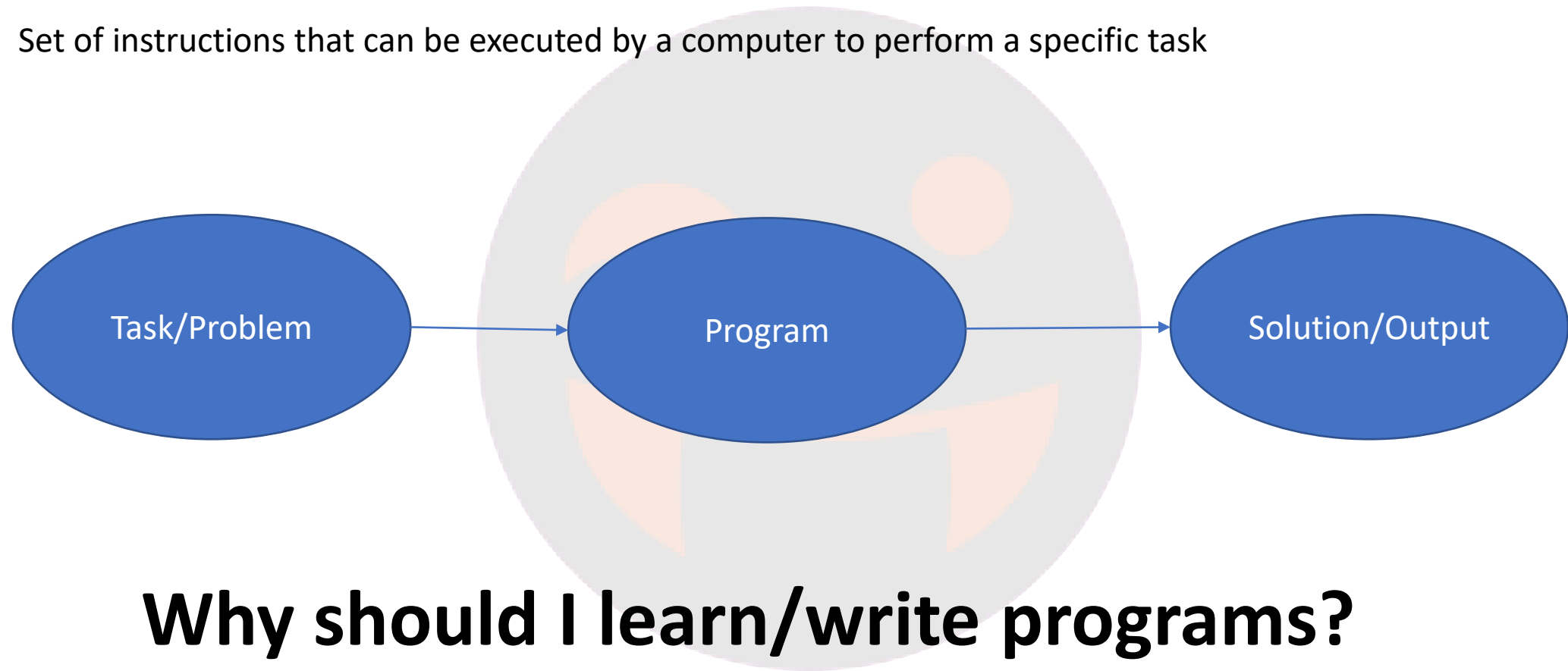
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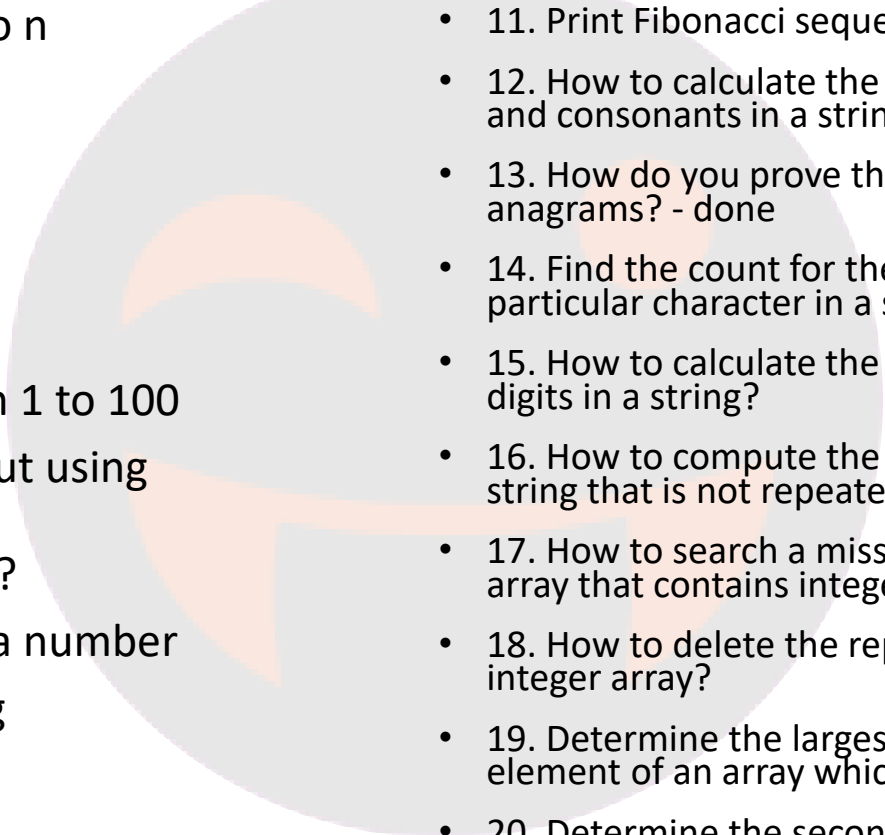
# What is a program?

Set of instructions that can be executed by a computer to perform a specific task



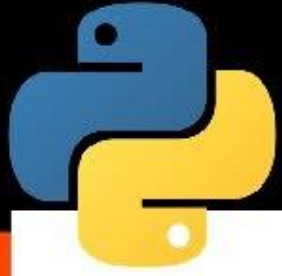
## Why should I learn/write programs?

# Commonly asked Interview questions

- 
- 1. Sum of numbers from 1 to n
  - 2. reverse a string
  - 3. check whether a string is palindrome?
  - 4. factorial of a number
  - 5. Armstrong
  - 6. print prime numbers from 1 to 100
  - 7. swap two numbers without using temporary variable
  - 8. How to reverse a number?
  - 9. Determine the factors of a number
  - 10. How to get the matching characters in a string?
  - 11. Print Fibonacci sequence
  - 12. How to calculate the number of vowels and consonants in a string? - done
  - 13. How do you prove that the two strings are anagrams? - done
  - 14. Find the count for the occurrence of a particular character in a string. - done
  - 15. How to calculate the number of numerical digits in a string?
  - 16. How to compute the first character of a string that is not repeated?
  - 17. How to search a missing number in an array that contains integers from 1 to 100?
  - 18. How to delete the repeated elements in an integer array?
  - 19. Determine the largest and the smallest element of an array which is not sorted.
  - 20. Determine the second largest element of an array



**Let's get started**



తగ్గేదే లే

# PYTHON

## 11 గంటల్లో

## నేర్చుకోండి





1,2,3,4,5,6,7,8,9,10

# Program 1

Write a program to print sum of numbers from 1 to n

# Notes

Teaching notes – Rs. 29



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# Program 2

Write a program to reverse a string

EX: SURESH -> HSERUS

# Thank you for active participation in programming

- Ashok



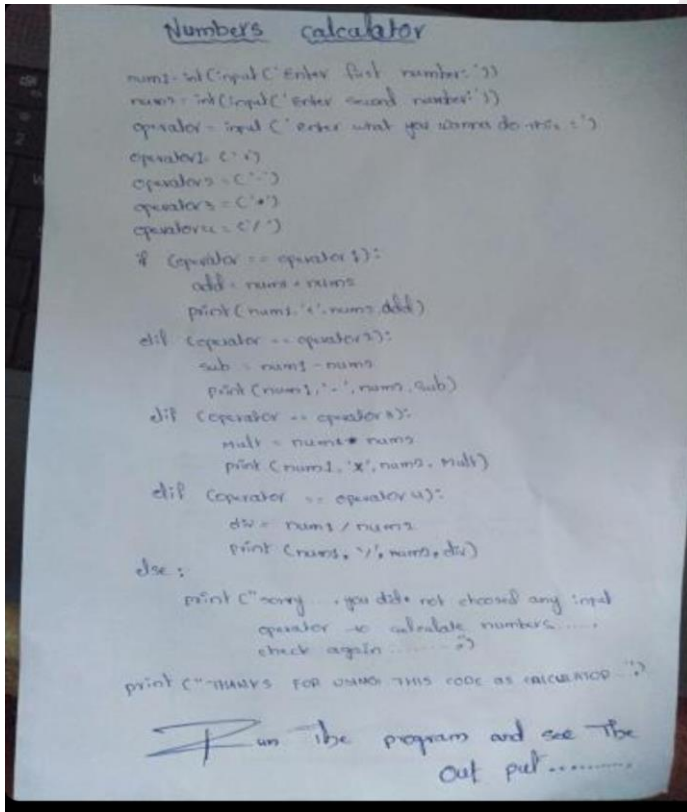
Ashok The gamer • 2 weeks ago

Hi friends here one more question

is it really possible to put more attributes in set  
like these `set("ashok", "ravi", 1,2)`

# Thank you for active participation in programming

- Thari Raju (Jagityala district, Bhooshanraopet)



```
Numbers calculator
num1 = int(input("Enter first number: "))
num2 = int(input("Enter second number: "))
operator = input("Enter what you wanna do with: ")
operator1 = "+"
operator2 = "-"
operator3 = "*"
operator4 = "/"
if (operator == operator1):
    add = num1 + num2
    print(num1, "+", num2, "=", add)
elif (operator == operator2):
    sub = num1 - num2
    print(num1, "-", num2, "=", sub)
elif (operator == operator3):
    mult = num1 * num2
    print(num1, "x", num2, "=", mult)
elif (operator == operator4):
    div = num1 / num2
    print(num1, "/", num2, "=", div)
else:
    print("Sorry... you didn't choose any input operator to calculate numbers... check again...")
print("THANKS FOR USING THIS CODE AS CALCULATOR")
```

Run the program and see the output.....

**Many others who are using python programs to send comments. Thank you each and everyone.**



Reverse the string and compare?

# Program 3

Write a program to check whether a string is palindrome?

madam, level, mom

వికటకవి

జలజ

పులుపు



5x4x3x2x1

# Program 4

Write a program to find factorial of a number

$$5! = 120$$

# Thank you for helping our channel growth



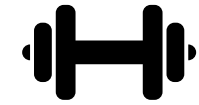
Help grow our channel

- Mohan Reddy garu
- Ramadevi Krishnan garu
- Mallesh garu
- Sunil garu
- Pranay
- Karthikram



Get each digit in the number, make a cube of it,  
Sum to the next digit and finally check sum with  
Original number

# Program 5



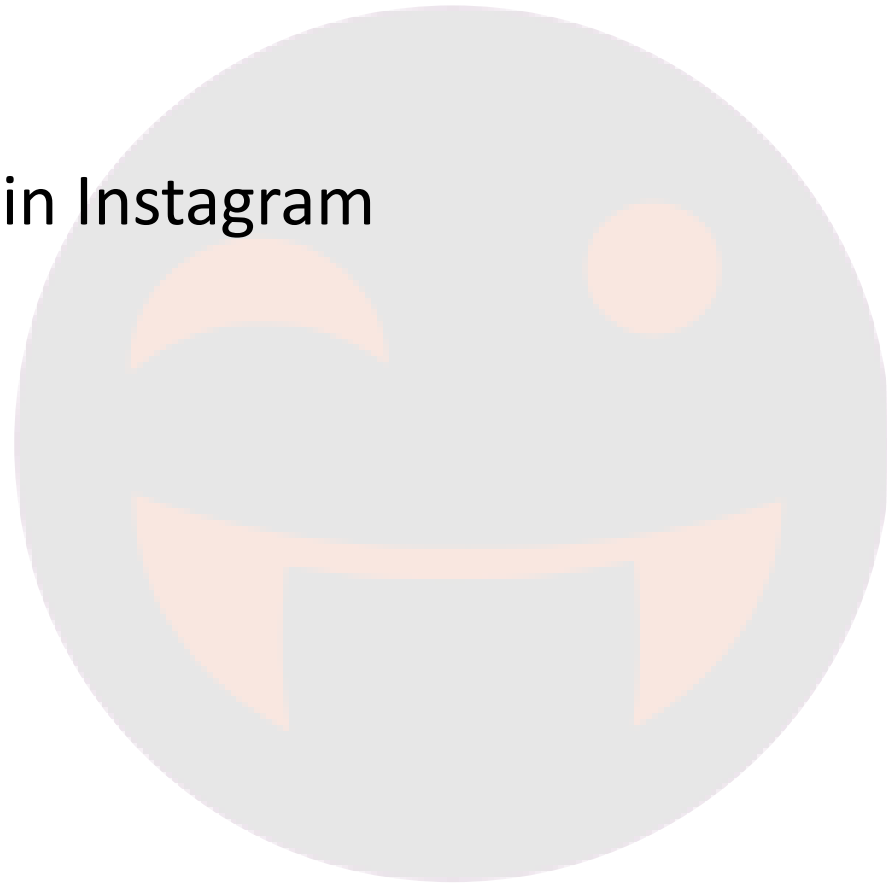
Write a program to check whether a number is Armstrong ?

153  $\rightarrow 1^3 + 5^3 + 3^3 = 153$

**371,401**

# Instagram

- #sureshtechs
- Clear your doubts in Instagram







**A number that is divisible only by itself and 1**

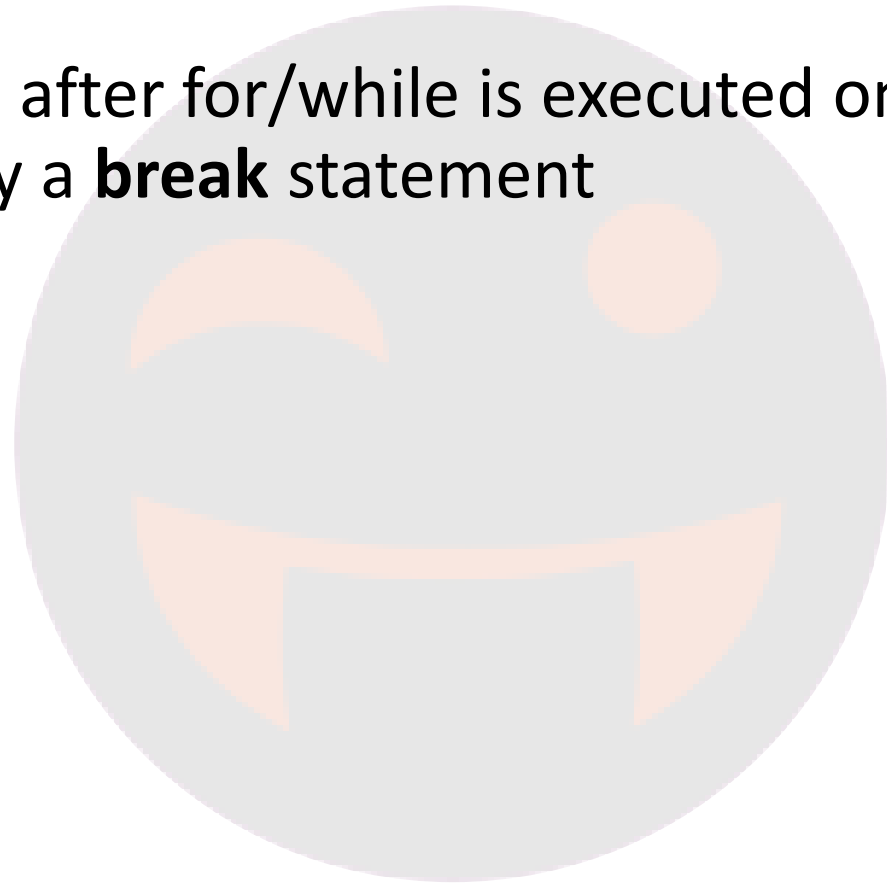
# Program 6

Write a program to print prime numbers from 1 to 100

2,3,5,7,11,13

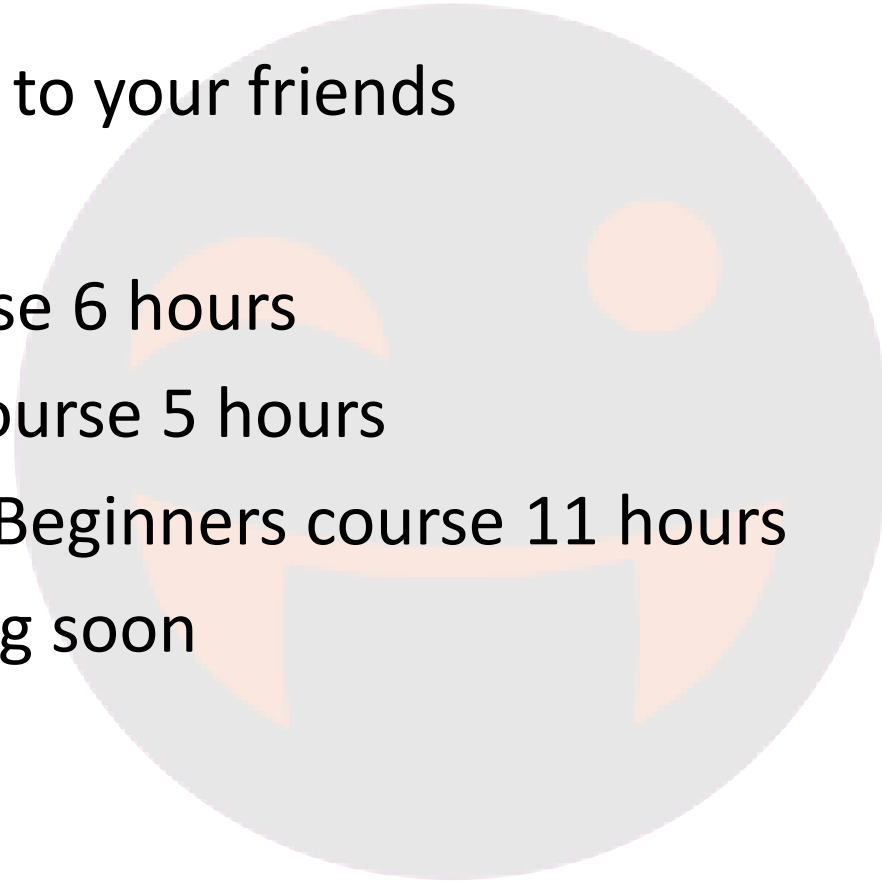
# else in for/while loops

- The else block just after for/while is executed only when the loop is NOT terminated by a **break** statement



# Spread your love

- Share our channel to your friends
- Git complete course 6 hours
- HTML complete course 5 hours
- Python Complete Beginners course 11 hours
- Many more coming soon





# Program 7

Write a program to swap two numbers without using temporary(third) variable

$a = 10, b = 20 \rightarrow a = 20, b = 10$

# Drink water

- Drink more water





# Program 8

Write a program to reverse a number

135->531, 788 ->887

# Play games

- Play outdoor games





# Program 9

Write a program to determine the factors of a number

Factors of 8 are 1,2,4,8



# Don't sit close to the laptop

- Take care of your eyes





# Program 10

Write a program to get the matching characters in a string

suresh - > s

# Commonly asked Interview questions

- 1. Sum of numbers from 1 to n
- 2. reverse a string
- 3. check whether a string is palindrome?
- 4. factorial of a number
- 5. Armstrong
- 6. print prime numbers from 1 to 100
- 7. swap two numbers without using temporary variable
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- 20. Determine the second largest element of an array



# Program 11

Write a program to print Fibonacci sequence

0,1,1,2,3,5,8,13,21,34



# Program 12

- Calculate the number of vowels and consonants in a string?

Suresh->vowels: 2, consonants: 4



Ex: surya, yasur

Ex: chiru, ruchu

# Program 13

- Check if two strings are anagrams?

Two strings are said to be anagram if we can form the first string By arranging the characters of another string.



# Program 14

Find the count for the occurrence of a **particular character** in a string

Suresh ->s->2



isdigit()

# Program 15

- How to calculate the number of numerical digits in a string?

senu98saga





# Program 16

Find the first character of a string that is not repeated?

Suresh -> u



$\text{totalSum} - \text{givenNumbersSum}$

# Program 17

- Find missing number in an array that contains integers from 1 to 100?

1,2,4,5,...100



# Program 18

- Delete the repeated elements in an integer array?

[1,2,3,3,5,8,2] ->1,2,3,5,8



# Program 19

- Determine the largest and the smallest element of an array which is not sorted.

[12,10,9,44,88]-> 9,88



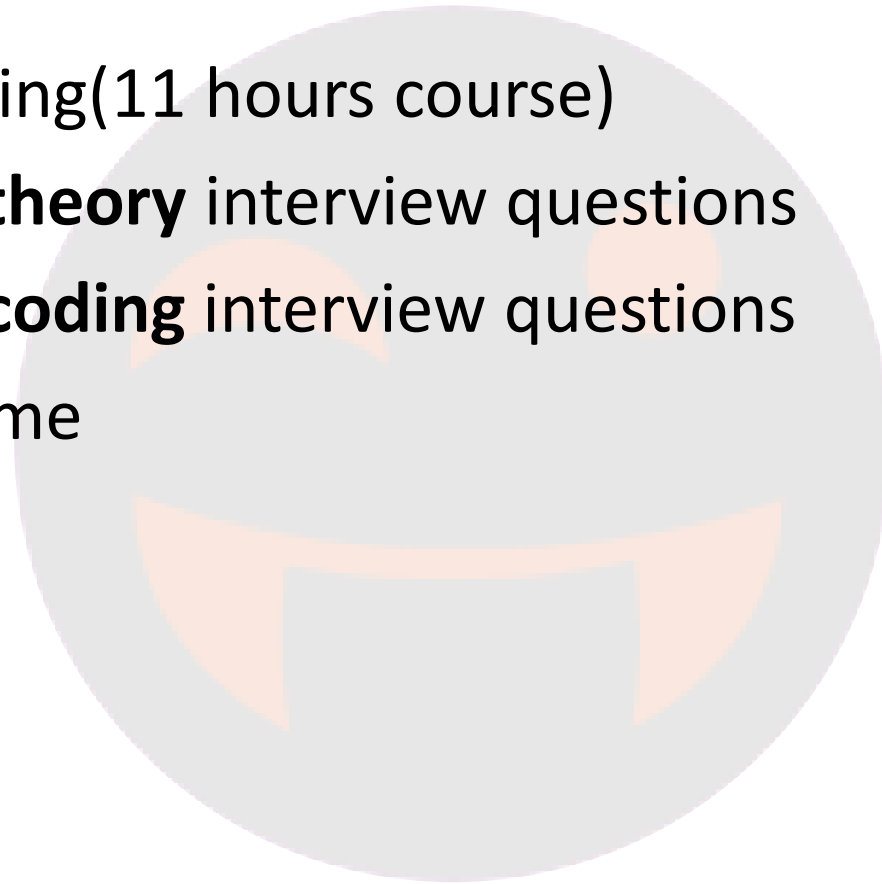
# Program 20

Determine the second largest element of an array

[10,5,7,9,22,4] ->10

# Where am I now?

- Python programming(11 hours course)
- Commonly asked **theory** interview questions
- Commonly asked **coding** interview questions
- Prepare your resume
- Apply for jobs





# PYTHON

## చిన్న ప్రో చిట్టికలో వచ్చేస్తా

#sureshtechs