### PYTHON

preinting on screen print ("sabnas Akter") // printing sabnas Akter on # This is a online comment /online comment 111 This is multiple line comment I multiple line comment

THE PROPERTY OF THE LOSE

The tought import a within more

Backslash character/ Escape sequence In = nem line

It = tab . Lines return ) by

name = "sabnai"

proint (name + 11 got egpa 3.9011) sabnai got

egpa 3.90

the solo tool to me region.

taking input from user name = input (" finter your name: "). Il your name tuend
then input fire age: simput ("Enter your age")

gra = input ().

sabnaj

print ("name:" + Name)

print ("Age:" + age)

print ("age:" + egpa)

print ("egpa " + egpa)

sgra: 3.30

sgra: 3.30

sgra: 3.30

## program for sum of two integer

Note: python a stational input string fractions, where integer as float once and and string fractions, input can type easting and to aid.

zode:

Mum1 = input ("Enter first number")

num2 = input ("Enter second number)

sum = int (num1) + int (num2) / en integer I type

print ("The sum:" - sum)

print ("The sum:" - sum)

acu sum a sum a susum

Note: praint 34 AEAJ To straing concatemate

That praint auto 9 use auto 301 1 float an
integer praint auto 9 use auto 3001

Mo: input raisona Thuis Dorra type casting agr 21121.

code:

num1 = int (input ("Finter first number:"))

num2 = int (input ("Finter second number:"))

sum = num1 + num 2

print("sum:", sum)

(12 / 12 11) 10007

Co of house, ap-

Arrea of Truingle

#### code:

base = float (input (" Finter Base : "))
height = float (input (" Finter height : "))

area = . T \* base \* height

print (" Arrea", area)

The work of a primer was to Count of the contract

Brack for language Vt / (Semini) Type & ) too ing

The southern (inori)) of output the

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## Math related Library function in python

from moden import \* // Header file

m= man(20,10)# The strain maginum networn and  $n = \min(20,10)$ # The strain minimum networn and  $n = \min(20,10)$ # The strain minimum networn and  $n = \min(20,10)$ # absoluted value networn and  $n = \min(20,10)$ # pow- as form networn and  $n = \min(20,10)$ #  $n = \min(20,10$ 

## flormated string

num = 20

print (type (num)) # num variable az data type
num = 20.5

retwon AZA 1 Output int

print (type (num)) # output float
num = "sabnai"

print (type (num 3)) # output str

num4 = 20 formating use?

num4 = 30 / 500 oral use?

preint (f" { num4} + { num5} = { num4 + mum5}

# output; 20+30 = 50

print (" sabnaj Akter.", end = " ")
print (" 8 1777258450")

# output: sabnaj Aktor 01777258450

If else statement

p = int (input ("Enteria number"))

ide

if pg, 2==0;

prant ("p is aneven numbe")

else;
print ("p is an odd number")

fall project

marks = C4

P. (3)

if mark>=80:

print ("A+")

elif marks>=70:

print ("A")

else.

print ("fait")

Ternary Operator (if else 27 2018)

adput

नुरि सःसाव सामा स्टेड्व print

mun1 = 40

num2=50

m = num 2 if numz) num = else numz.

print (m)

Output

>nunz Logical Operator numi = =0 num3 = 80

if min1>num2 and num1>num3: print (nuns)

elif numz>numi and numi>nums, preint (nume)

else: print (num3)

Logical or

¿h = 'w'

if ch== 'a ' on ch== '& ' on eh== 'i' on ch== '0' on ch== 'u': Frint (rower")

else: print (meonsonant"). i=1
while ic=10:
print(i)
i=i+1
print('End")

JAZ indentation mai once while at once while at my oran star while at one of the star of t

nutrum all tanes a

\* 1 THE ZO MITS WESTS FRUITS PRINTING Wing while

code:  $\hat{c}=2$ while  $\hat{c} = 10$ ;

print(i)  $\hat{c} = 1+2$ 

\* 1 न्याक 100 मर्थन जिल्लाम स्थापन क्रिक्स वडामु white boo

sim=0 i=1 while ic=100: sum=sum+i i=i+1 print(sum)

n=in+ (input ("Enteranumber))

i=4

sum=0

white ic=n:

sum=sum+i

i=i+4

proint (sum)

( Busy troin

# Breeak and continue [loop 22 HOT use 2716

i=1.

white (i)

white ic=10:

if (i==5:

break 2944) one told

break 2944)

break

print (i)

i=i+1

## - Continuer turken's (19+ +11)

with a father than the

The strates which where the

white E = 10: i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1 i = i + 1

. problem 22 (problem in per nor explored) " and per

" LET FINDLY THINGS

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# 2017 variable a orchapgion, element states list पडि च्या । व्यद्मकिए कणपु type. ज्य कणावपु अव स्र अवेट data type use अवा वाधानात्रमाक लाग ,

### code:

. subjects = ["Bangla", "Math", "English", "CSE"]

Print (subjects) | ["Bangla", "Math", "English",
"EsE"]

print (subject [0]) #output: Bargla

print (subject [-1]) # Output

tist 24 complet varion

-1, -2, -3 -20074 indexing as 1

print (subjects [2:]) # owaput ["English" (ts Em)

inden मुद्रे एक List नय नाकि मा element print oca

Soughout Area Assault

print ("python" in subject) frython subject hist I award true return यय्व , सम्बा ह्याडि print

print ("python" not in subject) output: True python' subject list 3 or enough frue netwer was

subject and element sympa 3 syn area than, print (subject \$3) # offiput: [Bangla", "moth", English", (5) ", "Bangla" "moth", " English". .. "Bangla". print (subject + [swift", 27]) # Owput: "CSE", 'swiff', 27 # subject List ga carch
swift gas 27 append gad prient (Len (subject)) # subject List 22 Length prient Subject append ("python") # subject list 22 TOTCH

python to append tota subject. insent (2, "05") # subject list and index
2 to "05" insent and subject. remove ("Finglish") # subject list rara BAR
"Finglish" (a) remove area The first will be to fixed. subject. sout(\*) # subject list on ascending order or MARKET PROF ( LEWILLE ( P. डाले कार्य मिर् subject neversel) # subject list a element symma

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- subject. pop() # subject hist It carried element Files
  remove (pop) 20(2) factor,
- subject 1 = subject copy () # subject dist 27 element system subject 2 copy
  - pos = subject. index ("csf") # Output: 3

    "esf" 12 index return

    Togs
  - num = subject (subject.count (CSF") # 'ESF"
    subject list a spear onch Total return aga,
  - num = list (range(10)) # norm ATTH 22M list create 2(4, 200 element 2(4 [0,11;2,3,4,6,6,7:8,9]
  - num = List (range (5,11)) # num arch son list
    ereade zid and element 20
    [7,6,7,8,9,6]
- num= List (range (h, 11, 2)) # AD num AVISI-IDE

  List create IA IND element

  264 [h, 7, 7] , 012/15 you

  what work element and difference

Treavers limit using While:

num = [10.12.15]

index = 0

white index < 3:

paint (num [index])

index = index < 1.

From loop in python

num = [10,20,30,40,50]

sum = 0

for on in num;

privd (on)

sum = 5um + on.

print(sum)

The affecting a suffer Mertilling

and the first of many and in the first of the contract of the

अ MARCH straing avanta input face रख user उत्त नगь त्यात , कार्यात द्वारिएत split प्रारक्षत रिद्ध split वात ज्यारि variable an सहित इसके list कार्यात क्षारक रख '

### code:

n = input ("Enter a text of number")

& series = n. split ()

Sum=0 togten

for x in series:

sum=sum + int(2)

print (sum)

\* sall string I assimit Letter, anosymir digit In
Thosymin word outle They are arise consisting

code:

number of word = 0 number of light = 0 number of digit = 0

text = inplut ("Enter a text of number") # my name is is

for a in text;

x=2. lower()
if £x/=a' and x/= 'z' }
number of letter = number of Letter +1

elif x>='0' and x <= '9': number of Digit = Number of Digit +1 elif x== 1 1: number of Word = Number of Word + 1 paint (A Number of Letter", number of Letter) preint ("Number of Digits", vicimber + Digits) print ("Number of World", number of world) Matrin >> matrin is a two dimensional list zode: mat = = Altorahoris [1,2,3] it and it [4,5,6], print (mat [0][2]) # owtput: 2 ( [ m ] France ) tong force reaw in most: for ed in mat:

print (eol)

## Dictionary (san data structure)

Data ter key-value omarka znanco dictionary

cade:

Studential = {

"101" & "Sabnas",

"102": " sathi",

"103": " Lipy",

print (studentsd ["101"]) #owput: Sabraj

Code: studentsd = 2

101: "Sabnaj",

print (stadent [10]) # output: Sal nai

(05) Harana

with many ) the

truple list 27 TALL WOLLENION >> Tuples areal list 24 troz, oca minigit action list 27 Value change ATAY TYTH, tout tuples 27 value change ववी नार्त्रं था । code: students = ( 11 sabnaj Aktri", " Lipy", "tampa", print (students [o]) #owput: sabnaj Aktor proint (students) # output:
("s abnaj Akter", "Lipy", "tumpa") \* tobles अर्थात्र म्हामित्र अर्था यात्र । code: Fludents = ( ("sabnaj", 42), "mariya",
" maisa", praint (student[0]) # output: (sabnai", A2)