

الاربعاة

٠٠١ أكتوبرُ

WEDNESDAY

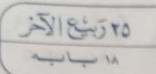
30 OCTOBER

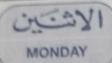
990 = 20 print ("age") -> age str(age) print(age) -> 20 print ("you are" + strigged "yearsold") -> you are 20 years old print (" you are ", age ," years old") you are 20 yearsold F-string = porint (F'youare {age} years old") variable = areusable container for storing ox avariable behaves as if it were the value it contains \* Datatypes: there are different data types but the basic Four \* Integer > awhole number types are -> age= 20, players= 11 o Float => a number that contains adecimal 9pa=3-2, price=10.99 Man Man

الثّلاثاء المربيع الآخر التخالات المربيع الآخر TUESDAY

رِي الكتوبر 29 OCTOBER

estring => aseries of text name = "Essam Shenhah" Food = " pizza" ex. print (f" Hello Inque }") · Boolean - avariable that only has two state(true or false) online - True , For-sale = False print (F"Is Anmed online ?: fantide ]") -> Is Ahmed online True if online: print ("Ahnedis online") else: print (" Ahmed is offline. > Ahmedis online Ps. "True" string True & Boolean True not true tips: x,y, z = 1,2,3 => multiple assimment X=4=2=0

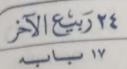




١٢٨ أكتوبر

28 OCTOBER

type casting:- The process of converting a value of one data type to another (string, integer, float, boolean) print(type( name)) name= "Essam" age = 20 "FLoat" 900 = 3.3 student = True · Explicit age = Flogt (age) print (99e) > 21.0 print(type(age)) > Float' · Implicit x=2 , 4=2.0 X=X/4 print(1) > 1.0





Z. OCTOBER

\* Inpyt name = input ("...") ages int (input ("...")) 998=998+2 print (+" Helle [name]) print (f" you are (age) yours let") . To limit the Float number into two decimal places: yound (total, 2) \* math 1-4 = abs(-4) X= 3.14, y=4, 2=5  $max(x,y,z) \Rightarrow 5$ ,  $min(x,y,z) \Rightarrow 3.17$ · Import math print (mathepi) -> 3.1415 print (math.e) and 2.71 print (math. sqrt(0)) -> 3.0 print( math. ceil(3.11) -> 10 Print (math. Floor (391) >9

٢٧ رَبينع الآخر



٢٦ أكتوبرُ

26 OCTOBER

\* conditions (if, elif, else):iF = Do some code only IF some condition is True Else do something else age=int(input()) if age >= 18: elifage 60: else: print (" -- ") print(" \_") online = False if online, print !" print(" The user (soffling) > The user is offline

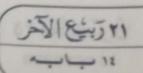
٢٢ رَبينع الآخر

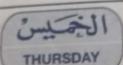


٢٥ أڪتوبر

25 OCTOBER

\* string: - aseries of characters name = Input() - essam shenhab Lend) -> gives the langth of astring name Find (" ") 5 name find (" 5") - 51 name r Find (" ,") > 6 name. Find (" 9") > 1 name capitalize () -> Essam shonhab name upper () -> FSSAM SHENHAB name Lower() - essam shenhah name is digitin -> False -> designed of True of name. isalpha (essam shenhab) -> False - wisitis name is alpha(essamshenhab) -strue l'élèsée 19 > 10 1 5096 2 319 name. count(" 5") > 3 -> "5" Muchina name. (eplace(" ", "-") - essam-shehab print (help(str)) - & gives a comprehensive list
of all the string methods available





٢٤ أكتوبر

24 OCTOBER

\* string indexing: - accessing elements of asequence using[](indexing operators) [start:end:step]

Fall-name= Essam\_Shenhab

print (Full-name[0]) -> E, [2] -> S · [6] - (:5] ~

print (Fallname (0:5)) > Essam print (Full name (6:13)) - Shenhab

print (Full-name[-1]) -> b, (-2) -> q
print (Full-name[::2]) -> Esm Sehb

print(Full-name(:-1])-sbahnehs\_mass E

email = input() -> Essam @ gmail.com Index = email.index ("@") user name = email [: index] domain = email [index+1:]

print (username) - > Essam print (domain) -> gmail. com

Ps: 4 sername = email (: email . Index ("Q"))

٠٠ رَبينع الآخر ١٢ ساسه

الاربعاء WEDNESDAY

الكور الم

23 OCTOBER

\* While Goops execute some code WHILE some conditions remains true name = input() while name == " points youdidn't enter les name" nome=input() print (f" Hello mame) Food=input() While not Food = = "9" print (F" youlike (Food?") Food = inpute print ("salam") 182 44 1858 60 1 Jan 194 00 00 00 num = intlingut ("Enter anumber between In while min ( ) or nem 7/01: 9000 - 100 printlen some I (snot Validid) 3 and a Nam - 1 1 ( most (" ... ")

orint & but han bor (s (num?)

٢٢ أكتوبر الفلاضاة ١٩ رَبِيع الآخر 22 OCTOBER TUESDAY ما باب \* For Loops: - execute ablock of code a fixed number of times You iterate over arange, string, sequence, etc. Counting to ten backwards .-Counting to ten: for x in yange (1,11): For xin reversed (range (1,11)): print(x) print (x) 9 10 random number Courting to ten by threes: = 1234 - 5689 for xin range (1, 11,3): For xin random number: print(x) print(x)

الاشتين ١٨ رَبيع الآخر الاشتين ١٨ رَبيع الآخر MONDAY 21 OCTOBER

continue  else:  print(x)	For x in range (1,6):  18 x==3:  break  else:  print(x)
* Nested Loop: - A Loop Within another  Loop (outer, inner)  Outer Loop:  inner Loop:	
while : For	
while For while:	