

anything
except zero is
true

31

Tuesday

Type(*age*) var \rightarrow بثام للعنصر Type علامة العنصر

December
20
24

Week 53 / Day 366

Print(Type(*age*))

ديسمبر

٣ جماد الآخر ١٤٤٦

الثلاثاء



$$x_1, y_1, z = 1, 2, 3 \quad \checkmark$$

8:00

9:00

Type Casting

10:00

11:00

Convert one type to another //

12:00



Explicit

1:00

2:00

$$\text{age} = 21 \quad (\text{int})$$

$$x = 2$$

3:00

$$\text{age} = \text{float}(\text{age})$$

$$y = 2.0$$

4:00



$$21.0$$

print(x/y)

float

5:00

6:00

7:00

$$\text{gpa} = 2.1 / 1.9$$

8:00

9:00

$$\text{gpa} = \text{int}(\text{gpa})$$

10:00

$$\text{gpa} = 2 / 1$$



Flag = True

Flag = str(Flag)

string

S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M
DECEMBER	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

JAMAD I / JAMAD II

29	30	31	1	2	3	4	5	6	7	8	9	10	11	12	13
----	----	----	---	---	---	---	---	---	---	---	---	----	----	----	----

ديسمبر

جماد الأول / جماد الآخر

30
Monday

December
20
24

Week 53 / Day 365 - 1

ديسمبر

١٤٤٦ جماد الآخر

الأثنين

Variables & datatype

Variable → Store Value

age = 21

Print("you have" + age + "years old")

XX error

Casting

21 → "21"

① Print("you have" + str(age) + "years old")

② Print("you have", age, "years old")

③ Print(F"you are {age} years old")

→ integers
(float) know
→ float

→ String " " / "

→ Boolean = True / False without " " / "

	S	M	T	W	F	S	S	M	T	W	F	S	S	M	T	W	F	S
DECEMBER	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
JAMAD I / JAMAD II	29	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17

ديسمبر

جماد الأول

29

Sunday

December
20
24

Week 52 / Day 364 - 2

٢٩ دیسمبر

١٤٤٦ جماد الاول

الاحد

١٤٤٦ جماد الاول

① to receive input from user \rightarrow input("Enter your name")

8:00

name = input("Enter your name")

10:00

11:00

12:00

1:00

2:00

3:00

4:00

5:00

6:00

7:00

8:00

9:00

10:00

11:00

12:00

1:00

input \rightarrow String

الى دخ و سع \rightarrow operation

Casting اجل

Age = int(input("Enter your age"))

(block) \rightarrow input("work not")

Function \rightarrow round(age)

{round(total, 2)}

	S	M	T	W	F	S	S	M	T	W	F	S	S	M
DECEMBER	1	2	3	4	5	6	7	8	9	10	11	12	13	14
JAMAD I / JAMAD II	29	1	2	3	4	5	6	7	8	9	10	11	12	13

ديسمبر جماد الاول

28

Saturday

December
20
24

Week 52 / Day 363 - 3

٢٤

ديسمبر

٢٠

السبت

٢٠٢٣ ميلاد الميلاد

`round()` - `abs()` - `Pow(v, 2)` - `Max(+v)`
`min(-v)`
`age**2`

`import math`

`Math.Pi` = 3.14...

`Math.e` = 2.71...

`Math.Sqrt()`

`Math.Ceil()`

`Math.Floor()`

`if age >= 18 :`

`if age >= 18 :`

`else :`

`else :`

S	M	T	W	F	S	M	T	W	F	S	M	T	W	F	S	M																
DECEMBER	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
JAMAD I / JAMAD II	29	30	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30

S	M	T	W	F	S	M	T	W	F	S	M	T	W	F	S	M																
DECEMBER	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
JAMAD I / JAMAD II	29	30	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30

27

December
20
24

Friday

Week 52 / Day 362 - 4

ديسمبر

الجمعة

١٤ جمادى الآخر ١٤٤٣

- ~~1. () and () and logical operator - () b/w~~
- 9:00 and
10:00 or
11:00 not
- 12:00
- 1:00 len() (Function) → Count no of characters and spaces in string
- 4:00 name = Shahd
- 5:00 ① result = len(name) → 5
- 6:00 ② result = name.find("a") → 2
- 8:00 find (" ") ↓
- 10:00 آملاً لخطه و الموف

- ③ name.capitalize() → SHAHD
→ shahd
- ④ upper() → SHAHD
- ⑤ lower() → shahd

	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M
DECEMBER	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
JAMAD I / JAMAD II	29	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

١٤ جمادى الآخر ١٤٤٣

index()

26

Thursday

December
20
24

Week 52 / Day 361 - 5

[start : end : step]

Creditno [:: -1]

ديسمبر

جماد الآخر ١٤٤٦

الخميس

Thursday

الخميس

⑥ name . isdigit() → True → when only contain digit
False

⑦ name . isalpha() → True → when only contain character without space

⑧ phoneno . Count("-")

⑨ ("{" + replace ("-" , " ") + "}") . count()

String لفبـس array

Credit_no = "1234 5678"

print(Credit_no[0])

Print(Credit_no[0:4]) \equiv CreditNo[:4]

inclusive

Exclusive

Print(Credit_no[-1])

Print(CreditNo[::2])

CreditNo [5:]

للتـ آخر

	S	M	T	W	F	S	S	M	T	W	F	S	S	M	T	W	F	S	S	M
DECEMBER	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
JAMAD I / JAMAD II	29	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19

ديسمبر / جماد الآخر

25

Wednesday

December
20
24

Week 52 / Day 360 - 6

ديسمبر

٢٤ جماد الآخر ١٤٤٦

٥٠

الأربعاء

- Format Specifiers
- 8:00
- 9:00
- 10:00 Print (F"Price. 1 is {Price: 1. 2F}")
- 11:00
- 12:00
- 1:00 Print (F"(Price: 1 is {Price: 1. 10}")")
- 2:00
- 3:00 يحجز الرقم لمسنه من ٣ خانات
- 4:00
- 5:00 ٥٦٧٨٩٥ print
- 6:00 الـ spaces يبدل الى الـ اسپس
- 7:00 (Join file) file
- 8:00
- 9:00 طيب لـ الـ اسپس الى الـ space من الحال
- 10:00
- ٦٧٨٩٥
- ٦٧٨٩٥
- ٦٧٨٩٥
- ٦٧٨٩٥

24

Tuesday

December
20
24

Week 52 / Day 359 - 7

ديسمبر

٢٣ جماد الآخر ١٤٤٦

٢٤

الثلاثاء

Print("The price is { price = + . 2F } ")
(+) thing

3000.14567

}
↓
5
8
4

+ 3,000.14

F

loopS

منهانا

while) For x in range (1,11) &

(n = 1, 1) thing ✓

n = 1 For x in reversed(range(1,11))
(-) thing

عكس

print

For x in range (1,11,2)

print

SMTWTFSSMTWTFSSMTWTFSSMTWTFSSMT

25

Monday

20
24

Week 52 / Day 358 - 8

ديسمبر

٢٢ جماد الآخر ١٤٤٦

الأثنين

for i in range(1, 10) :
 for x in range(1, 10) :
 print(x)

8:00

9:00

10:00

11:00

12:00



1:00

2:00

3:00

4:00

5:00

6:00

7:00

8:00

9:00

10:00

11:00

12:00

$\frac{1}{2}$
 $\frac{3}{4}$

$\boxed{\frac{5}{6}}$

7

8

for k in range(3) :

water

print(y, end = " ")

$\text{end} = " "$

print()

123456789

(5, 11, 1) print 123456789

123456789

	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M
DECEMBER	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
JAMAD I / JAMAD II	29	30	1	2	3	4	5	6	7	8	9	10	11	12	13	14

ديسمبر جماد الأول / جماد الآخر