

S01.T01

April 27, 2022

1 TEMA 1 DATA SCIENCE: S01.T01: Exercici 1,2,3

1.1 Created by: *Dani Planas Montserrat*

1.1.1 Codi en Markdown Per més informació: (<https://www.google.es>)



Clase	Dia	Data
1	Dilluns	22/6/2022
2	Dimarts	23/6/2022
3	Dimecres	24/6/2022
4	Divendres	26/6/2022

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[9]: #####
##          DATA SCIENCE: S01.T01: Nivell 1 Exercici 1,2,3          ##
#####
# Created by: Dani Planas Montserrat
# Code in Python

## create Variables
x,y = 34, 100                                #variables to strings
text1, text2 = "SPRINT 01", " .TASCA 1. "    #variables to integers
vReal1,vReal2 = 5.0 , 3.5                    #variables to floats
check = False                                #variables to booleans
myList1 = [4,5,1,2,3,7]                      #create Lists
myList2 = ["groc","vermell","verd","gris"]    #create Lists

## mathematic operations with integer
x += 10
y = x*y
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print ("Valor de X: " + str(x))           #we use casting
print ("Valor de Y: " + str(y))           #we use casting

## mathematic operations with double
vReal1 += 1
vReal2 = (vReal1 - vReal2)*10.0
print ("Valor de vReal1: " + str(vReal1)) #we use casting
print ("Valor de vReal2: " + str(vReal2)) #we use casting

## Strings operations
print (text1 + text2 + "Autor: Dani Planas Montserrat")
print ("Tenim SPRINT al text 1:" + str("SPRINT" in text1))

## operations with booleans
if (check != False):
    print (myList1)
else:
    print (myList1*2)

print ("Tenim el 3 a la llista? :" + str(30 in myList1))

## operations with List
if ((3 in myList1)==True):
    auxTxt="Si"
else:
    auxTxt="No"
print ("Tenim el número 3 a la Llista: " + auxTxt)
print ("El color verd està a la Posició: " + str(myList2.count("verd")))
print (myList2)
myList2.append("Rosa")
print (myList2)
myList2.insert(3,"lila")
print (myList2)
print (myList2.reverse())

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Valor de X: 44
Valor de Y: 4400
Valor de vReal1: 6.0
Valor de vReal2: 25.0
SPRINT 01 .TASCA 1. Autor: Dani Planas Montserrat
Tenim SPRINT al text 1:True
[4, 5, 1, 2, 3, 7, 4, 5, 1, 2, 3, 7]
Tenim el 3 a la llista? :False
Tenim el número 3 a la Llista: Si
El color verd està a la Posició: 1
['groc', 'vermell', 'verd', 'gris']

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['groc', 'vermell', 'verd', 'gris', 'Rosa']  
['groc', 'vermell', 'verd', 'lila', 'gris', 'Rosa']  
None
```

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[ ]: ## operations with nbExtensions
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2 Level 1

2.1 Sublevel 1

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[1]: 5+9
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[1]: 14
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[ ]:
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