PHYTON -class1

18.02.2019

\*hackathons

\*terminal in mac ( python3 yazarak başlamalısın)

\*\* visual studio code-download

\*comments= just for programmes= #= error vermez= specified things

\*variables= define variables for kind of values we need to represent

\*\* number=12, number\*5 => 60

\*type = if you want to learn type of something

\*Console ( I/O)

\*Use print\* ( print(4\*8)) – if you do not use, it cannot show the results

\* name (variable)= *input* (‘ENTER A SENTENCE’) (use ‘INPUT’ to get a value from the user)

\*sep= separate

\*end= sonunu bitirir

\*\*\* str object

Ex; input(‘Enter a number:’)

Enter a number :123

‘123’( string)

But : int(‘123’)

123

Ex: str(2)

‘2’

**Python**

\*Casting(we need bool) (bool(2) =true, bool(0)=false)

(a=b, b=a)

\*Print can be work with any number of arguments otherwise input not.

\*print(‘a’, ‘b’,sep=‘’) =ab (a and b are \*args)

\*there is not a such things like sep is initial:

Print(sep=‘’,’a’,’b’) (NO)

\*SLASH n= enter

\*’a’ vs print(‘a’)

(use print for when you want to show smith to user)

It will give you without changing final representation.

\*print(‘2’) vs print(2)

\*input function-> just 0 or 1 arguments

\*difference of print(‘hello’) and input(‘hello’)=

\*\*Print the sonunda(end=slash n) oldugu için imge bir sonraki satırdan başlarken, inputta imge kelimenin bittiği yerden devam eder.

\*\*[okpy.org](http://okpy.org)= assignments here

(Assignmentları yaparken= kola python dan handoutlara bakarak ne yapman gerektiğini öğren) (write in visual studio code)

(Studioda- extential lı acman gerek assignment dosyalarını)

\*\*\*\*\*\*In contest-challenges you can see and try\*\*\*\*\*\*\*(hackerrank.com)

\*choose python 3\*

**Python Contest Öğrenilen**

1)\*\*Print(“Hello, World!”)

=

\*\*my\_integer= “Hello, World!”

print(my\_integer)

2)if divide for integer outcome = print(a//b) (like = 1)

İf divide for float outcome= print(a/b) (like =1.3333)

3)hisname= input()

…

print("Hi, I'm",hisname,surname+".","I'm studying",Major,"for",Year,"years.")

(Noktayı yapıştırmak için + ile yaptık) (virgül yerine + kullanabilirsin)

1. int(input())= yaparsın ki string (STR)

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\*Type(a) yaparsan = you will get str

\*int(“hello”) yapamazsın

\*”falsy” and “truthy”values with *bool*

*\*\**BOOL operators:

Operator predence= 1)not,2)or,3)and

*\**5//2= 2

\*Modulo(%)

\*Power(\*\*) (üssü)…

\*Assignment Operators

Example: Num+=1 means num= num+1 (numa 1 ekle)

…

\*\*Eşittir yerine (+=) artı koyarsan(++) direct sana num yazmana gerek kalmadan sonucunu verir.

\*Branching (if and else)(\*\*elif)

\*\*if grade>90:

print(“A”)

elif grade>80:

print(“B”)

elif grade>60:

print(“C”)

else:

print(“F”)

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\*\*onsite contest:

## 1) Finding Colour of a Square

## 2) Dog Age Calculator