

14 FEBRUARY
2020 FRIDAY

শুক্রবার

২ ফাল্গুন, ১৪২৬ বাংলা

১৯ জামঃ সানি, ১৪৪১ হিজরী

Attributes
&
Methods

Constructor

def __init__(self...)

double
underscore method
(dunder)

Class Human:

```
def __init__(self, name, age):  
    self.name = name  
    self.age = age
```

~~h = Human("shajal", 30)~~

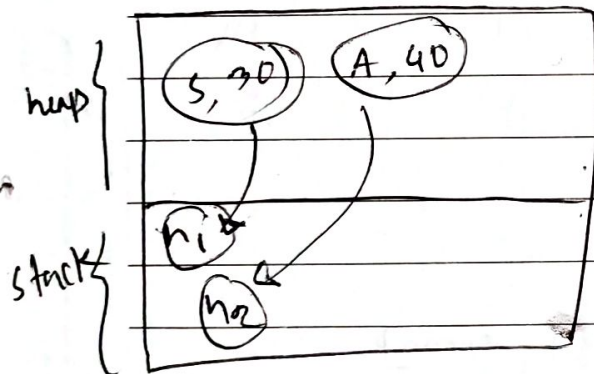
```
def getAge(self):  
    return self.age
```

h₁ = Human("shajal", 30)

h₂ = Human("Ataur", 40)

a = h₁.getAge() → 30

b = h₂.getAge()



code 12

start = 0

end = len(s) - 1

while start < end:

if s[start] != s[end]:

return False

start += 1

end -= 1

return True

s = ''.join(char
for char in s
if char.isalnum())

s = s.lower()

example

M A D A M

start	end	start < end	s[start]	s[end]
0	4	0 < 4	M	m
1	3	1 < 3	A	A
2	2			

B A Z Z A B

start	end	condition	s[start]	s[end]
0	5	0 < 5 T	B	B
1	4	1 < 4 T	A	A
2	3	2 < 3 T	Z	Z
3	2	3 < 2 (F)		

$[2, 7, 11, 15]$, target = 9

T.C. $\Rightarrow O(n)$

↑
s ↑
e

$$a_i + a_j = t$$

$$i < j$$

$i = 0 \dots \text{len}(a) - 1$

$j = \text{len}(a) - 1 \dots 0$

now, ~~$a_i + a_j = t$~~
 $a_i \leq a_j$

so, if $a_i + a_j > t$, guilty ~~of~~ a_j

because $a_j > a_i$

also, $a_i + a_j < t$, guilty a_i

because $a_i < a_j$

* algorithm a mathematical proof দ্বারা

* H.W. → solve # 167,

→ Two sum II

→ will be given around 25 problems
might wanna look at them.