

0.1 Python test

```
# -*- coding: utf-8 -*-
2 """
3 Created on Sat Mar 7 15:09:03 2020
```

```
5 Cauthor: anne smal
7 import random
8 import datetime
10 class Human :
11
       def __init__ (self, name, bd=None) :
12
13
           self._name = name
           if bd:
14
                self._birthday = bd
15
16
               self._birthday = datetime.date.today()
17
           self._gender = random.choice('MF')
18
19
20
       @property
21
       def name(self):
           return self._name
22
23
       Oname.setter
       def name(self, new_name):
24
25
           self._name = new_name
26
27
28
       Oproperty
       def age(self):
29
           return self._age
30
       @age.setter
31
       def age(self, new_age):
32
          self._age = new_age
33
34
35
       @property
36
37
       def gender(self):
           return self._gender
3.8
       @gender.setter
39
       def gender(self, new_gender):
40
           self._gender = new_gender
41
42
       Oproperty
43
44
       def birthday(self):
           return self._birthday
45
46
       def say(self, message) :
47
           print(self._name, ":", message)
48
49
50
51
52
       Oproperty
5.3
54
       def age(self):
           today = datetime.datetime.now()
5.5
           age = today.year - self._birthday.year
56
57
           if (today.month<self._birthday.month) or (today.month ==</pre>
58
       \verb|self._birthday.month| \verb| and | \verb| today.day < \verb|self._birthday.day||:
               age -= 1
5.9
60
```

```
file return age

file r
```