0.1 Python test

```
# -*- coding: utf-8 -*-
3 Created on Sat Mar 7 15:09:03 2020
5 Cauthor: anne smal
6 """
7 import random
8 import datetime
10 class Human :
11
12
      def __init__ (self, name, bd=None) :
13
          self._name = name
          if bd:
14
15
               self._birthday = bd
           else :
16
               self._birthday = datetime.date.today()
17
          self._gender = random.choice('MF')
18
1.9
20
       Oproperty
      def name(self):
21
          return self._name
22
23
      Oname.setter
      def name(self, new_name):
24
25
           self._name = new_name
26
27
      Oproperty
28
      def age(self):
29
30
         return self._age
       @age.setter
31
32
      def age(self, new_age):
          self._age = new_age
3.3
34
35
       @property
36
37
       def gender(self):
          return self._gender
38
       @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
53
       Oproperty
54
      def age(self):
       today = datetime.datetime.now()
5.5
```

```
age = today.year - self._birthday.year

if (today.month < self._birthday.month) or (today.month ==
    self._birthday.month and today.day < self._birthday.day):
    age -= 1

return age

if __name__ == "__main__":
    bd = datetime.date(2000, 2, 21)
    bob = Human("Bob",bd)
    bob.say("I am " + str(bob.age) + " years old")</pre>
```