

Question_2

API Documentation

February 27, 2017

Contents

Contents	1
1 Module boy	2
1.1 Variables	2
1.2 Class boy	2
1.2.1 Methods	2
2 Module couple	3
2.1 Variables	3
2.2 Class couples	3
2.2.1 Methods	3
3 Module driver	4
3.1 Functions	4
4 Module generator	5
4.1 Functions	5
5 Module gift	6
5.1 Variables	6
5.2 Class gift	6
5.2.1 Methods	6
6 Module girl	7
6.1 Variables	7
6.2 Class girl	7
6.2.1 Methods	7
7 Module log	8
7.1 Functions	8
7.2 Variables	8

1 Module boy

1.1 Variables

Name	Description
<code>__package__</code>	Value: None

1.2 Class boy

1.2.1 Methods

<code>__init__(self, name, attractiveness, intelligence, gfbudget, minimum_attraction_required, type)</code>
--

<code>happiness(self, happiness)</code>

<code>girlfriend(self, girlfriend)</code>

<code>eligibility(self, maintenance_budget, attractiveness)</code>
--

2 Module couple

2.1 Variables

Name	Description
<code>__package__</code>	Value: None

2.2 Class couples

2.2.1 Methods

<code>__init__(self, girl, boy)</code>
--

<code>happiness(self)</code>

<code>compatibility(self)</code>

3 Module driver

3.1 Functions

<code>calculate_happiness(H)</code>
--

<code>happy_couple(H, k)</code>
--

<code>guy_miser($gift, m$)</code>
--

<code>guy_generous($gift, m$)</code>

<code>guy_geek($gift, m$)</code>

<code>details(H)</code>

<code>check()</code>

4 Module generator

4.1 Functions

`utility()`

`generate(file, data)`

5 Module gift

5.1 Variables

Name	Description
<code>__package__</code>	Value: None

5.2 Class gift

5.2.1 Methods

<code>__init__</code> (<i>self, name, value, money, type</i>)

6 Module *girl*

6.1 Variables

Name	Description
<code>__package__</code>	Value: None

6.2 Class *girl*

6.2.1 Methods

<code>__init__(self, name, attractiveness, intelligence, maintenance_budget, type)</code>
<code>happiness(self, happiness)</code>
<code>girlfriend(self, girlfriend)</code>
<code>eligibility(self, budget)</code>

7 Module log

7.1 Functions

<code>log(<i>write</i>)</code>

7.2 Variables

Name	Description
<code>__package__</code>	Value: None

Index

- boy (*module*), 2
 - boy.boy (*class*), 2
 - boy.boy.__init__ (*method*), 2
 - boy.boy.eligibility (*method*), 2
 - boy.boy.girlfriend (*method*), 2
 - boy.boy.happiness (*method*), 2
- couple (*module*), 3
 - couple.couples (*class*), 3
 - couple.couples.__init__ (*method*), 3
 - couple.couples.compatibility (*method*), 3
 - couple.couples.happiness (*method*), 3
- driver (*module*), 4
 - driver.calculate_happiness (*function*), 4
 - driver.check (*function*), 4
 - driver.details (*function*), 4
 - driver.guy_geek (*function*), 4
 - driver.guy_generous (*function*), 4
 - driver.guy_miser (*function*), 4
 - driver.happy_couple (*function*), 4
- generator (*module*), 5
 - generator.generate (*function*), 5
 - generator.utility (*function*), 5
- gift (*module*), 6
 - gift.gift (*class*), 6
 - gift.gift.__init__ (*method*), 6
- girl (*module*), 7
 - girl.girl (*class*), 7
 - girl.girl.__init__ (*method*), 7
 - girl.girl.eligiblity (*method*), 7
 - girl.girl.girlfriend (*method*), 7
 - girl.girl.happiness (*method*), 7
- log (*module*), 8
 - log.log (*function*), 8