

IIT2015045 q2

API Documentation

February 27, 2017

Contents

Contents	1
1 Module main	2
1.1 Functions	2
1.2 Variables	2
2 Module q2_boy	3
2.1 Variables	3
2.2 Class Boy	3
2.2.1 Methods	3
2.2.2 Instance Variables	3
3 Module q2_cpl	4
3.1 Variables	4
3.2 Class Couple	4
3.2.1 Methods	4
3.2.2 Instance Variables	4
4 Module q2_gift	5
4.1 Variables	5
4.2 Class Gift	5
4.2.1 Methods	5
5 Module q2_girl	6
5.1 Variables	6
5.2 Class Girl	6
5.2.1 Methods	6
5.2.2 Instance Variables	6
6 Module q2_log	7
6.1 Functions	7
6.2 Variables	7
7 Module q2_util	8
7.1 Functions	8
7.2 Variables	8

1 Module main

1.1 Functions

<code>hap_cpl(L, k)</code>
--

<code>calc_hap(L)</code>

<code>generous(GT, i)</code>
--

<code>miser(GT, i)</code>

<code>geek(GT, i)</code>
--

<code>details(L)</code>

<code>display(G)</code>

<code>make_cpl(C)</code>

<code>mk_cpl()</code>

1.2 Variables

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

2 Module q2_boy

2.1 Variables

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

2.2 Class Boy

constructor for class Boy

2.2.1 Methods

<code>__init__(self, name_id, attr, bgt, intlg, min_attr, t)</code>
<code>constraint(self, main_bgt, attr)</code>
<code>set_happiness(self, happiness)</code>
<code>set_gf(self, gf)</code>
<code>mod_bgt(self, bgt)</code>

2.2.2 Instance Variables

Name	Description
<code>gf</code>	modify boy budget if he can't afford gift in gift basket

3 Module q2_cpl

3.1 Variables

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

3.2 Class Couple

constructor for class Couple having object of boy and girl as attribute to make couple

3.2.1 Methods

<code>__init__(self, b, g)</code>

<code>set_happiness(self)</code>

<code>set_compatibility(self)</code>

3.2.2 Instance Variables

Name	Description
<code>b</code>	define and set level of happiness among couples
<code>c_hap</code>	define and set level of compatibility among couples

4 Module q2_gift

4.1 Variables

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

4.2 Class Gift

constructor for class Gift having name,price,value and type as attribute

4.2.1 Methods

<code>__init__(self, name_id, price, val, type_)</code>

5 Module q2_girl

5.1 Variables

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

5.2 Class Girl

constructor for class Girl having name,intelligence,attractiveness etc as attribute

5.2.1 Methods

<code>__init__(self, name_id, attr, main_bgt, intlg, t)</code>
<code>constraint(self, bgt)</code>
<code>set_bf(self, bf)</code>
<code>set_happiness(self, happiness)</code>

5.2.2 Instance Variables

Name	Description
bf	set happiness of girl

6 Module q2_log

6.1 Functions

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

6.2 Variables

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

7 Module q2_util

7.1 Functions

utility()
boy type

make_csv(<i>name</i>, <i>list_</i>)
--

7.2 Variables

Name	Description
__package__	Value: None

Index

- main (*module*), 2
 - main.calc_hap (*function*), 2
 - main.details (*function*), 2
 - main.display (*function*), 2
 - main.geek (*function*), 2
 - main.generous (*function*), 2
 - main.hap_cpl (*function*), 2
 - main.make_cpl (*function*), 2
 - main.miser (*function*), 2
 - main.mk_cpl (*function*), 2
- q2_boy (*module*), 3
 - q2_boy.Boy (*class*), 3
 - q2_boy.Boy.__init__ (*method*), 3
 - q2_boy.Boy.constraint (*method*), 3
 - q2_boy.Boy.mod_bgt (*method*), 3
 - q2_boy.Boy.set_gf (*method*), 3
 - q2_boy.Boy.set_happiness (*method*), 3
- q2_cpl (*module*), 4
 - q2_cpl.Couple (*class*), 4
 - q2_cpl.Couple.__init__ (*method*), 4
 - q2_cpl.Couple.set_compatibility (*method*), 4
 - q2_cpl.Couple.set_happiness (*method*), 4
- q2_gift (*module*), 5
 - q2_gift.Gift (*class*), 5
 - q2_gift.Gift.__init__ (*method*), 5
- q2_girl (*module*), 6
 - q2_girl.Girl (*class*), 6
 - q2_girl.Girl.__init__ (*method*), 6
 - q2_girl.Girl.constraint (*method*), 6
 - q2_girl.Girl.set_bf (*method*), 6
 - q2_girl.Girl.set_happiness (*method*), 6
- q2_log (*module*), 7
 - q2_log.log_maker (*function*), 7
- q2_util (*module*), 8
 - q2_util.make_csv (*function*), 8
 - q2_util.utility (*function*), 8