

Question-2

API Documentation

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1 Module boy

1.1 Variables

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

1.2 Class Boy

1.2.1 Methods

```
__init__(self, name, attractiveness, girlfriend_budget, intelligence,  
minimum_attraction_requirement, type_)
```

```
set_happiness(self, happiness)
```

```
set_girlfriend(self, girlfriend)
```

```
modify_boys_girlfriend_budget(self, budget)
```

```
is_eligible(self, maintenance_budget, attractiveness)
```

2 Module couples

2.1 Variables

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

2.2 Class Couple

2.2.1 Methods

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

<code>set_compatibility(self)</code>

<code>set_happiness(self)</code>

3 Module gift_item

3.1 Variables

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

3.2 Class Gift

3.2.1 Methods

<code>__init__(self, name, cost, value, type_)</code>

4 Module girl

4.1 Variables

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

4.2 Class girl

4.2.1 Methods

<code>__init__(self, name, attractiveness, maintenance_budget, intelligence, type_)</code>
<code>set_happiness(self, happiness)</code>
<code>set_girlfriend(self, girlfriend)</code>
<code>modify_maintenance_budget(self, budget)</code>
<code>is_eligible(self, boys_girlfriend_budget)</code>

5 Module logs

5.1 Functions

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

5.2 Variables

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

6 Module main

6.1 Functions

<code>calc_happiness(<i>H</i>)</code>

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

<code>generous(<i>gifts</i>, <i>p</i>)</code>

<code>miser(<i>gifts</i>, <i>x</i>)</code>
--

<code>geek(<i>gifts</i>, <i>c</i>)</code>

<code>gifts_details(<i>H</i>)</code>

<code>test()</code>

6.2 Variables

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

7 Module util

7.1 Functions

<code>testing_util()</code>

<code>create(<i>file_name</i>, <i>list_name</i>)</code>

7.2 Variables

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

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