

Question2

API Documentation

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1 Module boy_class

1.1 Variables

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

1.2 Class boy

1.2.1 Methods

```
__init__(self, name_boy, attraction_boy, budget_for_girlfriend, intelligence_level_boy,
minimum_attraction_required, boy_type)
```

```
suitable(self, required_budget, attraction_girl)
```

1.2.2 Instance Variables

Name	Description
<code>budget_for_girlfriend</code>	boy's intelligence level
<code>intelligence_level_boy</code>	minimum attraction
<code>minimum_attraction_required</code>	in starting we are going to assume that every boy is single
<code>status_boy</code>	because in starting boy is single so his girlfriend name must be empty

2 Module couple_class

2.1 Variables

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

2.2 Class couple

2.2.1 Methods

<code>__init__(self, name_girl, name_boy)</code>
--

<code>count_happiness(self)</code>

<code>calculate_compatibility(self)</code>
--

3 Module engine

3.1 Functions

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

<code>ghpy($gift, x$)</code>

<code>genhpy($gift, x$)</code>

<code>mhpy($gift, x$)</code>

<code>main()</code>

3.2 Variables

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

4 Module gift_class

4.1 Variables

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

4.2 Class gift

properties of gift

4.2.1 Methods

<code>__init__(self, name_gift, price_gift, value_gift, gift_type)</code>

5 Module girl_class

5.1 Variables

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

5.2 Class girl

5.2.1 Methods

<code>__init__(self, name_girl, attraction_girl, required_budget, brain_level_girl, girl_type)</code>
girl_class' constructor

<code>suitable(self, budget_for_girlfriend)</code>
--

5.2.2 Instance Variables

Name	Description
<code>attraction_girl</code>	in starting she is single
<code>brain_level_girl</code>	because she is single so there is no boyfriend name
<code>girl_type</code>	checking weather is permitted or not

6 Module utility

6.1 Functions

<code>creating_csv()</code>

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

<code>printc_hc(X, k)</code>
--

6.2 Variables

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

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