Question-2

API Documentation

February 25, 2017

Contents

1 Module boy

1.1 Variables

Name	Description
___package___	**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
___package___	**Value: None**

2.2 Class Couple

2.2.1 Methods

___init___(*self, boy, girl*)

set__compatibility(*self*)

set__happiness(*self*)

3 Module gift_item

3.1 Variables

Name	Description
___package___	**Value:** `None`

3.2 Class Gift

3.2.1 Methods

___**init**___(*self, name, cost, value, type_*)

4   Module girl

4.1   Variables

Name	Description
___package___	**Value:** None

4.2   Class girl

4.2.1   Methods

___**init**___(*self, name, attractiveness, maintenance_budget, intelligence, type_*)

set_happiness(*self, happiness*)

set_girlfriend(*self, girlfriend*)

modify_maintenance_budget(*self, budget*)

is_eligible(*self, boys_girlfriend_budget*)

5   Module logs

5.1   Functions

log__maker(*write*)

5.2   Variables

Name	Description
___package___	**Value:** `None`

6 Module main

6.1 Functions

> **calc__happiness**(H)

> **happy__couple**(H, k)

> **generous**($gifts$, p)

> **miser**($gifts$, x)

> **geek**($gifts$, c)

> **gifts__details**(H)

> **test**()

6.2 Variables

Name	Description
___package___	**Value:** None

7 Module util

7.1 Functions

testing_util()

create(*file_name*, *list_name*)

7.2 Variables

Name	Description
___package___	**Value:** None

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