Assignment PPL Question-10

API Documentation

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1 Module boy

1.1 Variables

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

1.2 Class Boy

Known Subclasses: geek.Geek, generous.Generous, miser.Miser

constructor for class Boy

1.2.1 Methods

___init___(*self*, *name_id*, *attr*, *bgt*, *intlg*, *min_attr*, *t*)

constraint(*self*, *main_bgt*, *attr*)

set_happiness(*self*, *happiness*)

set_gf(*self*, *gf*)

mod_bgt(*self*, *bgt*)

1.2.2 Instance Variables

Name	Description
happiness	set girlfirend of boy
gf	modify boy budget if he can't afford gift in gift basket

2 Module choosy

2.1 Variables

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

2.2 Class choosy

girl.Girl
└
choosy.choosy

2.2.1 Methods

___init___(*self*, *name_id*, *attr*, *main_bgt*, *intlg*, *t*)
Overrides: girl.Girl.___init___

Inherited from girl.Girl(Section 9.2)

constraint(), set_bf(), set_happiness()

2.2.2 Instance Variables

Name	Description
Inherited from girl.Girl (Section 9.2)	
bf	

3 Module couple

3.1 Variables

Name	Description
___package___	**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

___init___(*self*, *b*, *g*)

set_happiness(*self*)

set_compatibility(*self*)

3.2.2 Instance Variables

Name	Description
g	define and set level of happiness among couples
c_hap	define and set compatibility ampng couples

4 Module desperate

4.1 Variables

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

4.2 Class desperate

girl.Girl
└
desperate.desperate

4.2.1 Methods

___init___(*self*, *name_id*, *attr*, *main_bgt*, *intlg*, *t*)

Overrides: girl.Girl.___init___

Inherited from girl.Girl(Section 9.2)

constraint(), set_bf(), set_happiness()

4.2.2 Instance Variables

Name	Description
Inherited from girl.Girl (Section 9.2)	
bf	

5 Module essential

5.1 Variables

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

5.2 Class Essential

gift.Gift
└
essential.Essential

5.2.1 Methods

___init___(*self*, *name_id*, *price*, *val*, *type_*)

constructor

Overrides: gift.Gift.___init___

6 Module geek

6.1 Variables

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

6.2 Class Geek

boy.Boy
└
geek.Geek

constructor

6.2.1 Methods

___init___(*self*, *name_id*, *atr*, *bgt*, *intlg*, *min_attr*, *t*)
Overrides: boy.Boy.___init___

Inherited from boy.Boy(Section 1.2)

constraint(), mod_bgt(), set_gf(), set_happiness()

6.2.2 Instance Variables

Name	Description
Inherited from boy.Boy (Section 1.2) gf, happiness	

7 Module generous

7.1 Variables

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

7.2 Class Generous

boy.Boy
└
generous.Generous

constructor

7.2.1 Methods

___init___(*self*, *name_id*, *atr*, *bgt*, *intlg*, *min_attr*, *t*)
Overrides: boy.Boy.___init___

Inherited from boy.Boy(Section 1.2)

constraint(), mod_bgt(), set_gf(), set_happiness()

7.2.2 Instance Variables

Name	Description
Inherited from boy.Boy (Section 1.2) gf, happiness	

8 Module gift

8.1 Variables

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

8.2 Class Gift

Known Subclasses: essential.Essential, luxury.Luxury, utility.Utility

Constructor for class gift

8.2.1 Methods

___init___(*self*, *name_id*, *price*, *val*, *type_*)

9 Module girl

9.1 Variables

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

9.2 Class Girl

Known Subclasses: choosy.choosy, desperate.desperate, normal.normal

constructor for class girl

9.2.1 Methods

___init___(*self*, *name_id*, *attr*, *main_bgt*, *intlg*, *t*)

constraint(*self*, *bgt*)

set_bf(*self*, *bf*)

set_happiness(*self*, *happiness*)

9.2.2 Instance Variables

Name	Description
bf	set happiness

10 Module log

10.1 Functions

log_maker(*write*)

10.2 Variables

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

11 Module luxury

11.1 Variables

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

11.2 Class Luxury

gift.Gift
└
luxury.Luxury

11.2.1 Methods

___init___(*self*, *name_id*, *price*, *val*, *type_*, *rating*, *eco*)

constructor

Overrides: gift.Gift.___init___

12 Module main

12.1 Functions

randomfun(*alist*, *criteria*)

hap_cpl(*L*)

calc_hap(*L*)

generous(*GT*, *i*)

miser(*GT*, *i*)

geek(*GT*, *i*)

details(*L*)

display(*G*)

mk_cpl()

make_cpl(*C*)

12.2 Variables

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

13 Module miser

13.1 Variables

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

13.2 Class Miser

boy.Boy
└
miser.Miser

13.2.1 Methods

___init___(*self*, *name_id*, *atr*, *bgt*, *intlg*, *min_attr*, *t*)
Overrides: boy.Boy.___init___

Inherited from boy.Boy(Section 1.2)

constraint(), mod_bgt(), set_gf(), set_happiness()

13.2.2 Instance Variables

Name	Description
Inherited from boy.Boy (Section 1.2) gf, happiness	

14 Module normal

14.1 Variables

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

14.2 Class normal

girl.Girl
└
normal.normal

14.2.1 Methods

___init___(*self*, *name_id*, *attr*, *main_bgt*, *intlg*, *t*)

constructor

Overrides: girl.Girl.___init___

Inherited from girl.Girl(Section 9.2)

constraint(), set_bf(), set_happiness()

14.2.2 Instance Variables

Name	Description
Inherited from girl.Girl (Section 9.2) bf	

15 Module q10_utility

15.1 Functions

utility()

boy type

make_csv(*name*, *list_*)

15.2 Variables

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

16 Module utility

16.1 Variables

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

16.2 Class Utility

gift.Gift
└
utility.Utility

16.2.1 Methods

___init___(*self*, *name_id*, *price*, *val*, *type_*, *uval*, *uclass*)

constructor

Overrides: gift.Gift.___init___

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