Assignment PPL

API Documentation

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Class Boy Module boy

1 Module boy

1.1 Variables

Name	Description
package	Value: None

1.2 Class Boy

 ${\bf Known~Subclasses:}$ geek. Ge
ek, 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)				
$\mathbf{set_gf}(\mathit{self},\mathit{gf})$				
$mod_bgt(self, bgt)$				

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

Class choosy Module choosy

2 Module choosy

2.1 Variables

Name	Description
package	Value: None

2.2 Class choosy

2.2.1 Methods

Inherited from girl.Girl(Section 9.2)

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

Class Couple Module couple

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

$\boxed{ \underline{\hspace{1cm}} init\underline{\hspace{1cm}} (self,\ b,\ g)}$	
$oxed{set_happiness}(self)$	
$oxed{set_compatibility}(self)$	

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

Class desperate Module desperate

4 Module desperate

4.1 Variables

Name	Description
package	Value: None

4.2 Class desperate

4.2.1 Methods

init(self, name_id, attr, main_bgt, intlg, t)	
Overrides: girl.Girlinit	

Inherited from girl.Girl(Section 9.2)

constraint(), set_bf(), set_happiness()

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

Class Essential Module essential

5 Module essential

5.1 Variables

Name	Description
package	Value: None

5.2 Class Essential

5.2.1 Methods

init(self, name_id, price, val, type_)
constructor
Overrides: gift.Giftinit

Class Geek Module geek

6 Module geek

6.1 Variables

Name	Description
package	Value: None

6.2 Class Geek

constructor

6.2.1 Methods

init(self, name_id, atr, bgt, intlg, min_attr, t)
Overrides: boy.Boyinit

Inherited from boy.Boy(Section 1.2)

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

Class Generous Module generous

7 Module generous

7.1 Variables

Name	Description
package	Value: None

7.2 Class Generous

constructor

7.2.1 Methods

init(self, name_id, atr, bgt, intlg, min_attr, t)	
Overrides: boy.Boyinit	

Inherited from boy.Boy(Section 1.2)

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

Class Gift Module gift

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

)

Class Girl Module girl

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)
$\mathbf{set_bf}(\mathit{self},\mathit{bf})$
set_happiness(self, happiness)

Name	Description
bf	set happiness

Variables Module log

10 Module log

10.1 Functions

$\begin{array}{ c c c c c c c c c c c c c c c c c c c$
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10.2 Variables

Name	Description
package	Value: None

Class Luxury Module luxury

11 Module luxury

11.1 Variables

Name	Description
package	Value: None

11.2 Class Luxury

11.2.1 Methods

init(self, name_id, price, val, type_, rating, eco)
constructor
Overrides: gift.Giftinit

Variables Module main

12 Module main

12.1 Functions

12.2 Variables

Name	Description
package	Value: None

Class Miser Module miser

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.Boyinit	

Inherited from boy.Boy(Section 1.2)

 $constraint(),\,mod_bgt(),\,set_gf(),\,set_happiness()$

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

Class normal Module normal

14 Module normal

14.1 Variables

Name	Description
package	Value: None

14.2 Class normal

14.2.1 Methods

init(self, name_id, attr, main_bgt, intlg, t)	
constructor	
Overrides: girl.Girlinit	

Inherited from girl.Girl(Section 9.2)

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

Variables Module q5_utility

15 Module q5_utility

15.1 Functions

$\mathbf{utility}()$	
boy type	

 $\mathbf{make} \mathbf{\underline{csv}}(name, \, list \underline{\hspace{0.3cm}})$

15.2 Variables

Name	Description
package	Value: None

 $16 \quad Script \; script-boys_csv$

 $17 \quad Script \; script\text{-}classes_No_Name_dot$

 $18 \quad Script \; script\text{-}gift_csv$

 $19 \quad Script \; script \text{-} girls _csv$

 $20 \quad Script \; script-packages_No_Name_dot$

Class Utility Module utility

21 Module utility

21.1 Variables

Name	Description
package	Value: None

21.2 Class Utility

21.2.1 Methods

init(self, name_id, price, val, type_, uval, uclass)
constructor
Overrides: gift.Giftinit

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