

# Assignment PPL Question-9

API Documentation

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# 1 Module boy

## 1.1 Variables

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

## 1.2 Class Boy

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

constructor for class Boy

### 1.2.1 Methods

<code>__init__(self, name_id, attr, bgt, intlg, min_attr, t)</code>
<code>constraint(self, main_bgt, attr)</code>
<code>set_happiness(self, happiness)</code>
<code>set_gf(self, gf)</code>
<code>mod_bgt(self, bgt)</code>

### 1.2.2 Instance Variables

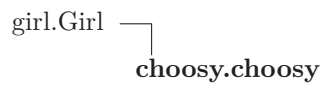
Name	Description
<code>happiness</code>	set girlfriend of boy
<code>gf</code>	modify boy budget if he can't afford gift in gift basket

## 2 Module choosy

### 2.1 Variables

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

### 2.2 Class choosy



#### 2.2.1 Methods

<code>__init__(self, name_id, attr, main_bgt, intlg, t)</code>
Overrides: girl.Girl. <code>__init__</code>

*Inherited from girl.Girl(Section 9.2)*

`constraint()`, `set_bf()`, `set_happiness()`

#### 2.2.2 Instance Variables

Name	Description
<i>Inherited from girl.Girl (Section 9.2)</i>	
<code>bf</code>	

### 3 Module couple

#### 3.1 Variables

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

#### 3.2 Class Couple

constructor for class Couple having object of boy and girl as attribute to make couple

##### 3.2.1 Methods

<code>__init__(self, b, g)</code>
-----------------------------------

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

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

##### 3.2.2 Instance Variables

Name	Description
<code>g</code>	define and set level of happiness among couples
<code>c_hap</code>	define and set compatibility among couples

## 4 Module desperate

### 4.1 Variables

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

### 4.2 Class desperate

girl.Girl —  
desperate.desperate

#### 4.2.1 Methods

<code>__init__(self, name_id, attr, main_bgt, intlg, t)</code>
Overrides: girl.Girl.__init__

*Inherited from girl.Girl(Section 9.2)*

`constraint()`, `set_bf()`, `set_happiness()`

#### 4.2.2 Instance Variables

Name	Description
<i>Inherited from girl.Girl (Section 9.2)</i>	
<code>bf</code>	

## 5 Module essential

### 5.1 Variables

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

### 5.2 Class Essential

gift.Gift —  
essential.Essential

#### 5.2.1 Methods

<code>__init__(self, name_id, price, val, type_)</code>
constructor
Overrides: gift.Gift.__init__

## 6 Module geek

### 6.1 Variables

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

### 6.2 Class Geek

boy.Boy —  
           geek.Geek  
 constructor

#### 6.2.1 Methods

<code>__init__(self, name_id, atr, bgt, intlg, min_attr, t)</code> 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
<i>Inherited from boy.Boy (Section 1.2)</i> <code>gf</code> , <code>happiness</code>	



## 7 Module generous

### 7.1 Variables

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

### 7.2 Class Generous

boy.Boy —  
           **generous.Generous**  
 constructor

#### 7.2.1 Methods

<code>__init__(self, name_id, atr, bgt, intlg, min_attr, t)</code> 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
<i>Inherited from boy.Boy (Section 1.2)</i> <code>gf</code> , <code>happiness</code>	

## 8 Module gift

### 8.1 Variables

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

### 8.2 Class Gift

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

Constructor for class gift

#### 8.2.1 Methods

<code>__init__(self, name_id, price, val, type_)</code>
---

## 9 Module girl

### 9.1 Variables

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

### 9.2 Class Girl

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

constructor for class girl

#### 9.2.1 Methods

<code>__init__(self, name_id, attr, main_bgt, intlg, t)</code>
--

<code>constraint(self, bgt)</code>
------------------------------------

<code>set_bf(self, bf)</code>
-------------------------------

<code>set_happiness(self, happiness)</code>
---

#### 9.2.2 Instance Variables

Name	Description
bf	set happiness

## 10 Module log

### 10.1 Functions

<code>log__maker(<i>write</i>)</code>
---------------------------------------

### 10.2 Variables

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

## 11 Module *luxury*

### 11.1 Variables

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

### 11.2 Class *Luxury*

`gift.Gift` └─  
           `luxury.Luxury`

#### 11.2.1 Methods

<code>__init__(self, name_id, price, val, type_, rating, eco)</code>
constructor
Overrides: <code>gift.Gift.__init__</code>

## 12 Module main

### 12.1 Functions

best(*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__	<b>Value:</b> None

## 13 Module miser

### 13.1 Variables

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

### 13.2 Class Miser

```
boy.Boy └─
          miser.Miser
```

#### 13.2.1 Methods

<code>__init__(self, name_id, atr, bgt, intlg, min_attr, t)</code> Overrides: boy.Boy. <code>__init__</code>
---

*Inherited from boy.Boy(Section 1.2)*

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

#### 13.2.2 Instance Variables

Name	Description
<i>Inherited from boy.Boy (Section 1.2)</i> <code>gf</code> , <code>happiness</code>	

## 14 Module normal

### 14.1 Variables

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

### 14.2 Class normal

girl.Girl —  
           **normal.normal**

#### 14.2.1 Methods

<code>__init__(self, name_id, attr, main_bgt, intlg, t)</code>
constructor
Overrides: girl.Girl.__init__

*Inherited from girl.Girl(Section 9.2)*

constraint(), set\_bf(), set\_happiness()

#### 14.2.2 Instance Variables

Name	Description
<i>Inherited from girl.Girl (Section 9.2)</i>	
bf	



## 15 Module q9\_utility

### 15.1 Functions

<b>utility()</b>
boy type

<b>make__csv(<i>name</i>, <i>list__</i>)</b>
--

### 15.2 Variables

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

## 16 Module utility

### 16.1 Variables

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

### 16.2 Class Utility



#### 16.2.1 Methods

<code>__init__(self, name_id, price, val, type_, uval, uclass)</code>
constructor
Overrides: <code>gift.Gift.__init__</code>

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