

# PPL Assignment

## API Documentation

February 26, 2017

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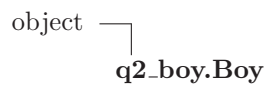
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# 1 Module q2\_boy

## 1.1 Variables

Name	Description
<code>--package--</code>	<b>Value:</b> None

## 1.2 Class Boy



### 1.2.1 Methods

```
--init__(self, name=None, attractiveness=None, intelligence=None, budget=None,
typee=None, happiness=None)
```

`x.__init__(...)` initializes x; see `help(type(x))` for signature

Overrides: `object.__init__` `exitit`(inherited documentation)

### *Inherited from object*

`--delattr--()`, `--format--()`, `--getattr--()`, `--hash--()`, `--new--()`, `--reduce--()`, `--reduce_ex--()`,  
`--repr--()`, `--setattr--()`, `--sizeof--()`, `--str--()`, `--subclasshook--()`

### 1.2.2 Properties

Name	Description
<i>Inherited from object</i>	
<code>--class--</code>	

## 2 Module q2.couple

### 2.1 Variables

Name	Description
<code>--package--</code>	<b>Value:</b> None

### 2.2 Class Couple



#### 2.2.1 Methods

```

__init__(self, boy_object, girl_object)

x.__init__(...) initializes x; see help(type(x)) for signature
Overrides: object.__init__ extit(inherited documentation)

```

#### *Inherited from object*

```

__delattr__(), __format__(), __getattr__(), __hash__(), __new__(), __reduce__(), __reduce_ex__(),
__repr__(), __setattr__(), __sizeof__(), __str__(), __subclasshook__()

```

#### 2.2.2 Properties

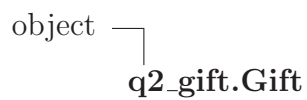
Name	Description
<i>Inherited from object</i>	
<code>--class--</code>	

### 3 Module q2\_gift

#### 3.1 Variables

Name	Description
<code>--package--</code>	<b>Value:</b> None

#### 3.2 Class Gift



##### 3.2.1 Methods

<code>--init--(self, gift_cost=None, gift_value=None, gift_type=None)</code>
--

##### *Inherited from object*

`--delattr--()`, `--format--()`, `--getattr--()`, `--hash--()`, `--init--()`, `--new--()`, `--reduce--()`,  
`--reduce_ex--()`, `--repr--()`, `--setattr--()`, `--sizeof--()`, `--str--()`, `--subclasshook--()`

##### 3.2.2 Properties

Name	Description
<i>Inherited from object</i>	
<code>--class--</code>	

## 4 Module q2\_girl

### 4.1 Variables

Name	Description
<code>--package--</code>	<b>Value:</b> None

### 4.2 Class Girl

object └─  
          q2\_girl.Girl

#### 4.2.1 Methods

```
--init__(self, name=None, attractiveness=None, intelligence=None,
maintenance=None, typee=None, happiness=None)
```

`x.__init__(...)` initializes x; see `help(type(x))` for signature

Overrides: `object.__init__` extit(inherited documentation)

#### *Inherited from object*

```
--delattr__(), --format__(), --getattr__(), --hash__(), --new__(), --reduce__(), --reduce_ex__(),
--repr__(), --setattr__(), --sizeof__(), --str__(), --subclasshook__()
```

#### 4.2.2 Properties

Name	Description
<i>Inherited from object</i>	
<code>--class--</code>	

## 5 Module q2\_ppl

### 5.1 Functions

```
comapare_gifts(gift_object1, gift_object2)
```

```
compare_fitting(couple1, couple2)
```

```
compare_happiness(couple1, couple2)
```

### 5.2 Variables

Name	Description
girl_array	Value: []
boy_array	Value: []
couple_array	Value: []
gift_array	Value: []
row_count_boys	Value: 0
boyReader	Value: csv.reader(boysfile, delimiter=',')
boyslist	Value: []
row_count_girls	Value: 0
girlReader	Value: csv.reader(girlsfile)
girlslist	Value: []
row_count_gifts	Value: 0
giftReader	Value: csv.reader(giftsfile)
giftslist	Value: []
k	Value: len(couple_array)
file	Value: open('ans_file_Happiness.txt', 'w')
ansfilewriter	Value: csv.writer(ansfile)

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