

# PPL Assignment - Question7

## API Documentation

April 10, 2017

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# 1 Package q7

## 1.1 Modules

- **boy** (*Section 2, p. 3*)
- **commboy** (*Section 3, p. 4*)
- **commgirl** (*Section 4, p. 6*)
- **compartor** (*Section 5, p. 7*)
- **couple** (*Section 6, p. 8*)
- **gift** (*Section 7, p. 9*)
- **girl** (*Section 8, p. 10*)
- **inputhelper** (*Section 9, p. 11*)
- **inputter** (*Section 10, p. 12*)
- **main** (*Section 11, p. 13*)
- **makecouple** (*Section 12, p. 14*)
- **ques7fun** (*Section 13, p. 15*)

## 1.2 Variables

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

## 2 Module q7.boy

### 2.1 Variables

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

### 2.2 Class boy

**Known Subclasses:** q7.commboy.commboy

#### 2.2.1 Methods

<code>--init--(self, name, clvrn, sxn, minhotn, budget)</code>
--

### 3 Module *q7.commboy*

#### 3.1 Variables

Name	Description
<code>--package--</code>	<b>Value:</b> <code>'q7'</code>

#### 3.2 Class *commboy*

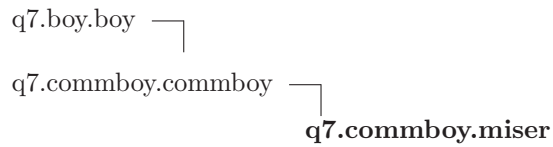


**Known Subclasses:** *q7.commboy.geek*, *q7.commboy.kind*, *q7.commboy.miser*

##### 3.2.1 Methods

<code>--init--(self, name, clvrn, sxn, minhotn, budget, gir)</code> Overrides: <i>q7.boy.boy.--init--</i>
--

#### 3.3 Class *miser*



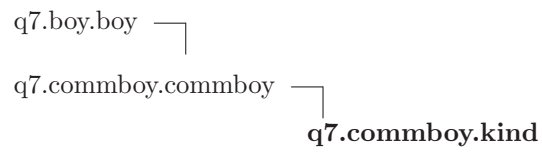
##### 3.3.1 Methods

<code>--init--(self, name, clvrn, sxn, minhotn, budget, gir)</code> Overrides: <i>q7.boy.boy.--init--</i>
--

<code>giftallocator(self, baske)</code>
---

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

### 3.4 Class kind



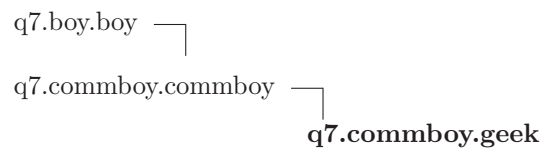
#### 3.4.1 Methods

<code>__init__(self, name, clvrn, sxn, minhotn, budget, gir)</code> Overrides: q7.boy.boy.__init__
---

<code>giftallocator(self, baske)</code>
---

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

### 3.5 Class geek



#### 3.5.1 Methods

<code>__init__(self, name, clvrn, sxn, minhotn, budget, gir)</code> Overrides: q7.boy.boy.__init__
---

<code>giftallocator(self, baske)</code>
---

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

## 4 Module q7.commgirl

### 4.1 Variables

Name	Description
<code>--package--</code>	<b>Value:</b> <code>'q7'</code>

### 4.2 Class commgirl

#### 4.2.1 Methods

<code>__init__(self, name, hotn, smrtn, mntcst, choice, bo, typ)</code>
---

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

## 5 Module q7.compartor

### 5.1 Functions

<code>shortlister(<i>gir</i>, <i>lisb</i>)</code>
---

<code>compartor(<i>lisb</i>, <i>lisc</i>)</code>
--

### 5.2 Variables

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



## 6 Module q7.couple

### 6.1 Variables

Name	Description
<code>--package--</code>	<b>Value:</b> 'q7'

### 6.2 Class couple

#### 6.2.1 Methods

<code>--init--(self, bo, gir)</code>
--------------------------------------

## 7 Module *q7.gift*

### 7.1 Variables

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

### 7.2 Class *egift*

#### 7.2.1 Methods

```
--init--(self, value, price)
```

### 7.3 Class *lgift*

#### 7.3.1 Methods

```
--init--(self, value, price, lux, diff)
```

### 7.4 Class *ugift*

#### 7.4.1 Methods

```
--init--(self, value, price, utlcls, utlval)
```

### 7.5 Class *basket*

#### 7.5.1 Methods

```
--init--(self, lis)
```

```
sortasperprice(self)
```

```
reversesortasperprice(self)
```

## 8 Module *q7.girl*

### 8.1 Variables

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

### 8.2 Class *girl*

#### 8.2.1 Methods

<code>--init--</code> ( <i>self</i> , <i>name</i> , <i>hotn</i> , <i>smrtn</i> , <i>mntcst</i> , <i>choice</i> )
--

## 9 Module q7.inpuhelper

### 9.1 Functions

<code>girlrandomgenerator(<i>ng</i>)</code>
---

<code>boyrandomgenerator(<i>nb</i>)</code>
--

<code>basketrandomgenerator()</code>
--------------------------------------

### 9.2 Variables

Name	Description
<code>--package--</code>	<b>Value:</b> 'q7'

## 10 Module q7.inputter

### 10.1 Functions

<code>girlinputreaderandmaker()</code>
--

<code>boyinputreaderandmaker()</code>
---------------------------------------

### 10.2 Variables

Name	Description
<code>--package--</code>	<b>Value:</b> 'q7'

## 11 Module q7.main

### 11.1 Functions

<code>main()</code>
---------------------

### 11.2 Variables

Name	Description
<code>__package__</code>	<b>Value:</b> 'q7'

## 12 Module q7.makecouple

### 12.1 Functions

<code>makecouple(<i>couplelist</i>)</code>
--

### 12.2 Variables

Name	Description
<code>--package--</code>	<b>Value:</b> 'q7'

## 13 Module q7.ques7fun

### 13.1 Functions

<code>printmaxhpns(<i>lis</i>, <i>k</i>)</code>
---

<code>printmaxcpt(<i>lis</i>, <i>k</i>)</code>
--

<code>printallgifts()</code>
------------------------------

<code>findout1(<i>boyiz</i>, <i>newcouplelist</i>)</code>
---

<code>findout2(<i>boyiz</i>, <i>dic</i>)</code>
---

<code>hashfun(<i>boyiz</i>, <i>newcouplelist</i>)</code>
--

<code>findout3(<i>boyiz</i>, <i>newcouplelist</i>)</code>
---

### 13.2 Variables

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



## 14 Script script-log.txt

## **15   Script script-test.txt**

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