

PPL Assignment - Question3

API Documentation

April 10, 2017

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1 Package q3

1.1 Modules

- **boy** (*Section 2, p. 3*)
- **commboy** (*Section 3, p. 4*)
- **commgirl** (*Section 4, p. 6*)
- **compartor** (*Section 5, p. 8*)
- **couple** (*Section 6, p. 9*)
- **gift** (*Section 7, p. 10*)
- **girl** (*Section 8, p. 12*)
- **inputhelper** (*Section 9, p. 13*)
- **inputter** (*Section 10, p. 14*)
- **main** (*Section 11, p. 15*)
- **makecouple** (*Section 12, p. 16*)
- **ques2fun** (*Section 13, p. 17*)

1.2 Variables

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

2 Module q3.boy

2.1 Variables

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

2.2 Class boy

Known Subclasses: q3.commboy.commboy

2.2.1 Methods

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

3 Module *q3.commboy*

3.1 Variables

Name	Description
<code>--package--</code>	Value: <code>'q3'</code>

3.2 Class *commboy*

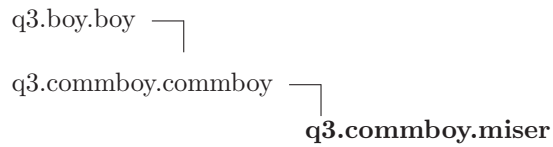


Known Subclasses: *q3.commboy.geek*, *q3.commboy.kind*, *q3.commboy.miser*

3.2.1 Methods

<code>--init--(self, name, clvrn, sxn, minhotn, budget, gir)</code> Overrides: <i>q3.boy.boy.--init--</i>
--

3.3 Class *miser*



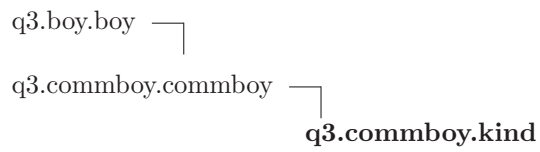
3.3.1 Methods

<code>--init--(self, name, clvrn, sxn, minhotn, budget, gir)</code> Overrides: <i>q3.boy.boy.--init--</i>
--

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

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

3.4 Class kind



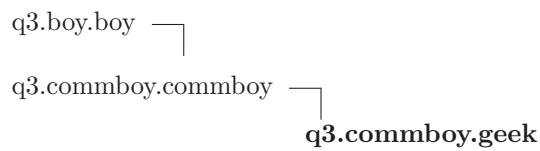
3.4.1 Methods

<code>__init__(self, name, clvrn, sxn, minhotn, budget, gir)</code> Overrides: q3.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: q3.boy.boy.__init__

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

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

4 Module q3.commgirl

4.1 Variables

Name	Description
<code>--package--</code>	Value: 'q3'

4.2 Class commgirl

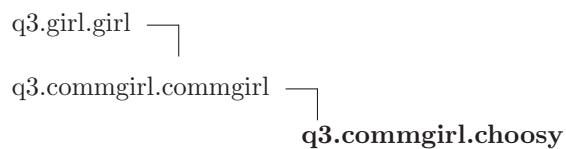


Known Subclasses: q3.commgirl.choosy, q3.commgirl.desperate, q3.commgirl.normal

4.2.1 Methods

<code>--init--(self, name, hotn, smrtn, mntcst, choice, bo, typ)</code> Overrides: q3.girl.girl.--init--

4.3 Class choosy

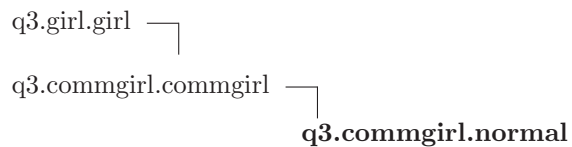


4.3.1 Methods

<code>--init--(self, name, hotn, smrtn, mntcst, choice, bo, typ)</code> Overrides: q3.girl.girl.--init--

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

4.4 Class normal



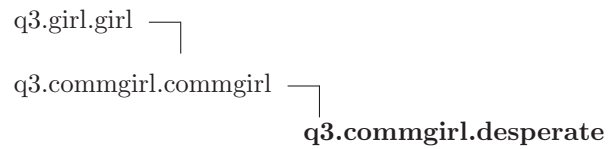
4.4.1 Methods

```
__init__(self, name, hotn, smrtn, mntest, choice, bo, typ)
```

Overrides: `q3.girl.girl.__init__`

```
happinesscalculator(self)
```

4.5 Class *desperate*



4.5.1 Methods

```
__init__(self, name, hotn, smrtn, mntest, choice, bo, typ)
```

Overrides: `q3.girl.girl.__init__`

```
happinesscalculator(self)
```


5 Module `q3.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>	Value: None

6 Module q3.couple

6.1 Variables

Name	Description
<code>--package--</code>	Value: 'q3'

6.2 Class couple

6.2.1 Methods

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

7 Module *q3.gift*

7.1 Variables

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

7.2 Class *gift*

Known Subclasses: *q3.gift.egift*, *q3.gift.lgift*, *q3.gift.ugift*

7.2.1 Methods

```
__init__(self, value, price)
```

7.3 Class *egift*

```

q3.gift.gift └─
               q3.gift.egift

```

7.3.1 Methods

```
__init__(self, value, price)  

Overrides: q3.gift.gift.__init__
```

7.4 Class *lgift*

```

q3.gift.gift └─
               q3.gift.lgift

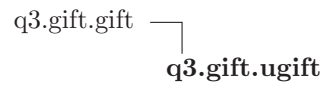
```

7.4.1 Methods

```
__init__(self, value, price, lux, diff)  

Overrides: q3.gift.gift.__init__
```

7.5 Class *ugift*



7.5.1 Methods

```
__init__(self, value, price, utlcls, utlval)
```

Overrides: `q3.gift.gift.__init__`

7.6 Class *basket*

7.6.1 Methods

```
__init__(self, lis)
```

```
sortasperprice(self)
```

```
reversesortasperprice(self)
```

8 Module *q3.girl*

8.1 Variables

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

8.2 Class *girl*

Known Subclasses: *q3.commgirl.commgirl*

8.2.1 Methods

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

9 Module q3.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>	Value: 'q3'

10 Module q3.inputter

10.1 Functions

girlinputreaderandmaker()

boyinputreaderandmaker()

10.2 Variables

Name	Description
__package__	Value: 'q3'

11 Module q3.main

11.1 Functions

<code>main()</code>

11.2 Variables

Name	Description
<code>__package__</code>	Value: 'q3'

12 Module q3.makecouple

12.1 Functions

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

12.2 Variables

Name	Description
<code>__package__</code>	Value: 'q3'

13 Module q3.ques2fun

13.1 Functions

```
printmaxhpns(lis, k)
```

```
printmaxcpt(lis, k)
```

```
printallgifts()
```

13.2 Variables

Name	Description
--package--	Value: None

14 Script script-log.txt

15 Script script-test.txt

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