PPL Assignment - Question3

API Documentation

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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
__package__	**Value:** None

2 Module q3.boy

2.1 Variables

Name	Description
$_{--}$package$_{--}$	**Value:** `None`

2.2 Class boy

Known Subclasses: q3.commboy.commboy

2.2.1 Methods

$_{--}$**init**$_{--}$(*self, name, clvrn, sxn, minhotn, budget*)

3 Module q3.commboy

3.1 Variables

Name	Description
__package__	**Value:** 'q3'

3.2 Class commboy

q3.boy.boy

q3.commboy.commboy

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

3.2.1 Methods

__init__(*self, name, clvrn, sxn, minhotn, budget, gir*)

Overrides: q3.boy.boy.__init__
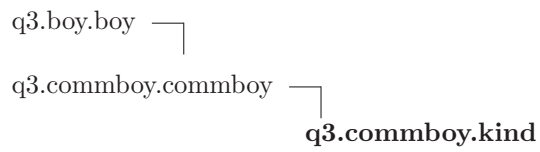
3.3 Class miser

q3.boy.boy
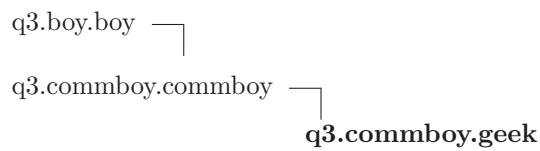
q3.commboy.commboy

q3.commboy.miser

3.3.1 Methods

__init__(*self, name, clvrn, sxn, minhotn, budget, gir*)

Overrides: q3.boy.boy.__init__

giftallocator(*self, baske*)

happinesscalculator(*self*)

3.4   Class kind

q3.boy.boy ¬

q3.commboy.commboy ¬

q3.commboy.kind

3.4.1   Methods

__init__(*self, name, clvrn, sxn, minhotn, budget, gir*)
Overrides: q3.boy.boy.__init__

giftallocator(*self, baske*)

happinesscalculator(*self*)

3.5   Class geek

q3.boy.boy ¬

q3.commboy.commboy ¬

q3.commboy.geek

3.5.1   Methods

__init__(*self, name, clvrn, sxn, minhotn, budget, gir*)
Overrides: q3.boy.boy.__init__

giftallocator(*self, baske*)

happinesscalculator(*self*)

4 Module q3.commgirl

4.1 Variables

Name	Description
__package__	**Value:** 'q3'

4.2 Class commgirl

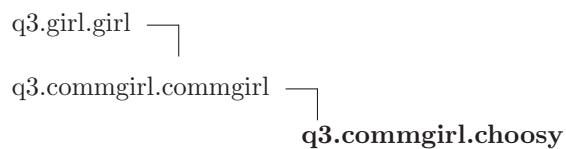q3.girl.girl ─┐

      q3.commgirl.commgirl

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

4.2.1 Methods

__init__(*self, name, hotn, smrtn, mntcst, choice, bo, typ*)
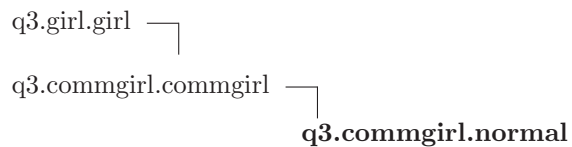
Overrides: q3.girl.girl.__init__

4.3 Class choosy

q3.girl.girl ─┐

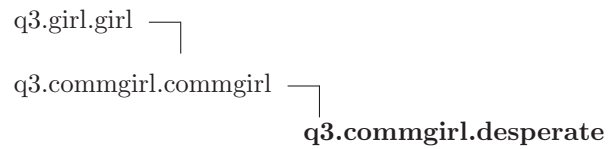q3.commgirl.commgirl ─┐

      q3.commgirl.choosy

4.3.1 Methods

__init__(*self, name, hotn, smrtn, mntcst, choice, bo, typ*)

Overrides: q3.girl.girl.__init__

---
happinesscalculator(*self*)

4.4 Class normal

q3.girl.girl ─┐

q3.commgirl.commgirl ─┐

      q3.commgirl.normal

4.4.1 Methods

__init__(*self*, *name*, *hotn*, *smrtn*, *mntcst*, *choice*, *bo*, *typ*)

Overrides: q3.girl.girl.__init__

---
happinesscalculator(*self*)

4.5 Class desperate

q3.girl.girl ─┐

q3.commgirl.commgirl ─┐

q3.commgirl.desperate

4.5.1 Methods

__init__(*self*, *name*, *hotn*, *smrtn*, *mntcst*, *choice*, *bo*, *typ*)

Overrides: q3.girl.girl.__init__

---
happinesscalculator(*self*)

---

5   Module q3.compartor

5.1   Functions

shortlister(*gir, lisb*)

compartor(*lisb, lisg*)

5.2   Variables

Name	Description
__package__	**Value:** None

6   Module q3.couple

6.1   Variables

Name	Description
__package__	**Value:** 'q3'

6.2   Class couple

6.2.1   Methods

__init__(*self, bo, gir*)

7 Module q3.gift

7.1 Variables

Name	Description
__package__	**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

q3.gift.gift ⌐

        q3.gift.ugift
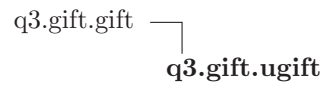
7.5.1   Methods

__**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
ˍˍpackageˍˍ	**Value:** None

8.2 Class girl

Known Subclasses: q3.commgirl.commgirl

8.2.1 Methods

ˍˍ**init**ˍˍ(*self, name, hotn, smrtn, mntcst, choice*)

9 Module q3.inputhelper

9.1 Functions

girlrandomgenerator(ng)

boyrandomgenerator(nb)

basketrandomgenerator()

9.2 Variables

Name	Description
__package__	**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

main()

11.2   Variables

Name	Description
__package__	**Value:** 'q3'

12   Module q3.makecouple

12.1   Functions

makecouple(*couplelist*)

12.2   Variables

Name	Description
__package__	**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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