

PPL Assignment - Question8

API Documentation

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1 Package q8

1.1 Modules

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

1.2 Variables

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

2 Module q8.boy

2.1 Variables

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

2.2 Class boy

2.2.1 Methods

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

3 Module q8.commboy

3.1 Functions

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

3.2 Variables

| Name | Description |
|--------------------------|--------------------|
| <code>__package__</code> | Value: 'q8' |

3.3 Class commboy

3.3.1 Methods

| |
|--|
| <code>__init__(<i>self</i>, <i>name</i>, <i>clvrn</i>, <i>sxn</i>, <i>minhotn</i>, <i>budget</i>, <i>gir</i>, <i>typ</i>)</code> |
|--|

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

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

4 Module q8.commgirl

4.1 Variables

| Name | Description |
|--------------------------|--------------------|
| <code>--package--</code> | Value: 'q8' |

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 q8.compartor

5.1 Functions

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

| |
|--|
| <code>compartor(<i>lisb</i>, <i>lisg</i>)</code> |
|--|

5.2 Variables

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

6 Module q8.couple

6.1 Variables

| Name | Description |
|--------------------------|--------------------|
| <code>--package--</code> | Value: 'q8' |

6.2 Class couple

6.2.1 Methods

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

7 Module *q8.gift*

7.1 Variables

| Name | Description |
|--------------------------|---------------------------------|
| <code>--package--</code> | Value: <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)
```

```
threeofeach(self)
```

8 Module *q8.girl*

8.1 Variables

| Name | Description |
|--------------------------|--------------------|
| <code>--package--</code> | Value: 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 q8.inuthelper

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: 'q8' |

10 Module q8.inputter

10.1 Functions

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

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

10.2 Variables

| Name | Description |
|--------------------------|--------------------|
| <code>--package--</code> | Value: 'q8' |

11 Module q8.main

11.1 Functions

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

12 Module q8.makecouple

12.1 Functions

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

12.2 Variables

| Name | Description |
|--------------------------|--------------------|
| <code>__package__</code> | Value: 'q8' |

13 Module q8.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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