Question7

API Documentation

April 10, 2017

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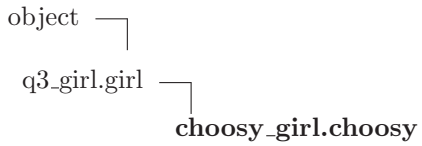
1 Module choosy_girl

1.1 Variables

Name	Description
__package__	**Value:** `None`

1.2 Class choosy



1.2.1 Methods

__init__(*self*, *name*=`None`, *attractiveness*=`None`, *intelligence*=`None`, *budget*=`None`)

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

Overrides: object.__init__ extit(inherited documentation)

cal_happiness(*self*, *gifts_array*)

Overrides: q3_girl.girl.cal_happiness

Inherited from object

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

1.2.2 Properties

Name	Description
Inherited from object	
__class__	

1.2.3 Instance Variables

Name	Description
typee	this fucnction will calculate happpiness for choosy girl object
Inherited from q3_girl.girl (Section 14.2)	

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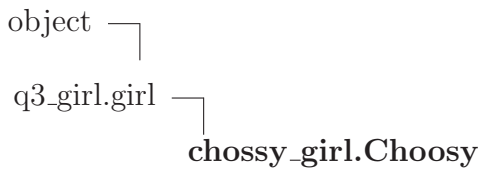
Name	Description
happiness	

2 Module chossy_girl

2.1 Variables

Name	Description
__package__	**Value:** `None`

2.2 Class Choosy



2.2.1 Methods

__init__(*self*, *name*=`None`, *attractiveness*=`None`, *intelligence*=`None`, *budget*=`None`)

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

Overrides: object.__init__ extit(inherited documentation)

cal_happiness(*self*, *gifts_array*)

Overrides: q3_girl.girl.cal_happiness

Inherited from object

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

2.2.2 Properties

Name	Description
Inherited from object	
__class__	

2.2.3 Instance Variables

Name	Description
Inherited from q3_girl.girl (Section 14.2)	
happiness	

3 Module couple_maker

3.1 Variables

Name	Description
__package__	**Value:** `None`

3.2 Class couple

object
└ **couple_maker.couple**

3.2.1 Methods

__init__(*self*, *boy_b*, *girl_g*)

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

Overrides: object.__init__ extit(inherited documentation)

Inherited from object

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

3.2.2 Properties

Name	Description
Inherited from object	
__class__	

4 Module desperate_girl

4.1 Variables

Name	Description
__package__	**Value:** `None`

4.2 Class desperate

4.2.1 Methods

__init__(*self*, *name*=`None`, *attractiveness*=`None`, *intelligence*=`None`, *budget*=`None`)

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

Overrides: object.__init__ extit(inherited documentation)

cal_happiness(*self*, *gifts_array*)

Overrides: q3_girl.girl.cal_happiness

Inherited from object

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

4.2.2 Properties

Name	Description
Inherited from object	
__class__	

4.2.3 Instance Variables

Name	Description
typee	this function will calculate happiness for desperate girl object
Inherited from q3_girl.girl (Section 14.2) happiness	

5 Module essential_gift

5.1 Variables

Name	Description
__package__	**Value:** `None`

5.2 Class essential

object
└
q3_gift.gift
└
essential_gift.essential

5.2.1 Methods

__init__(*self*, *cost*=`None`, *value*=`None`, *gift_name*=`None`)

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

Overrides: object.__init__ extit(inherited documentation)

Inherited from object

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

5.2.2 Properties

Name	Description
Inherited from object	
__class__	

5.2.3 Class Variables

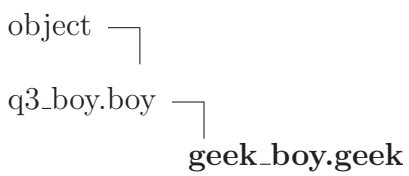
Name	Description
Inherited from q3_gift.gift (Section 13.2)	
__abstractmethods__	

6 Module geek_boy

6.1 Variables

Name	Description
__package__	**Value:** `None`

6.2 Class geek



6.2.1 Methods

__init__(*self*, *name*=`None`, *attractiveness*=`None`, *intelligence*=`None`, *budget*=`None`)

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

Overrides: object.__init__ extit(inherited documentation)

cal_happiness(*self*, *gifts_array*, *happiness_girl*, *intelligence_girl*)

Overrides: q3_boy.boy.cal_happiness

Inherited from object

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

6.2.2 Properties

Name	Description
Inherited from object	
__class__	

6.2.3 Class Variables

Name	Description
__abstractmethods__	**Value:** `frozenset([])`

6.2.4 Instance Variables

Name	Description
typee	this function is used to calculate happiness of geek boy type object
Inherited from q3_boy.boy (Section 12.2) happiness	

7 Module generous_boy

7.1 Variables

Name	Description
__package__	**Value:** `None`

7.2 Class generous

7.2.1 Methods

__init__(*self*, *name*=`None`, *attractiveness*=`None`, *intelligence*=`None`, *budget*=`None`)

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

Overrides: object.__init__ extit(inherited documentation)

cal_happiness(*self*, *gifts_array*, *happiness_girl*, *intellligence_girl*)

Overrides: q3_boy.boy.cal_happiness

Inherited from object

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

7.2.2 Properties

Name	Description
Inherited from object	
__class__	

7.2.3 Class Variables

Name	Description
__abstractmethods__	**Value:** `frozenset([])`

7.2.4 Instance Variables

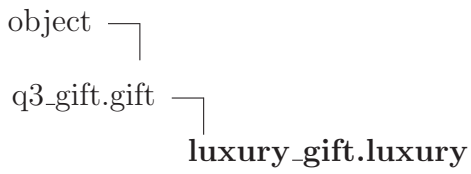
Name	Description
typee	this function is used to calculate happiness for generous object type
Inherited from q3_boy.boy (Section 12.2) happiness	

8 Module luxury_gift

8.1 Variables

Name	Description
__package__	**Value:** `None`

8.2 Class luxury



8.2.1 Methods

__init__(*self*, *luxury_gift_rating*=`None`, *cost*=`None`, *value*=`None`, *gift_name*=`None`)

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

Overrides: object.__init__ extit(inherited documentation)

Inherited from object

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

8.2.2 Properties

Name	Description
Inherited from object	
__class__	

8.2.3 Class Variables

Name	Description
Inherited from q3_gift.gift (Section 13.2)	
__abstractmethods__	

9 Module miser_boy

9.1 Variables

Name	Description
__package__	**Value:** `None`

9.2 Class miser

object
└
q3_boy.boy
└
miser_boy.miser

9.2.1 Methods

__init__(*self*, *name*=`None`, *attractiveness*=`None`, *intelligence*=`None`, *budget*=`None`)

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

Overrides: object.__init__ extit(inherited documentation)

cal_happiness(*gifts_array*, *happiness_girl*, *intelligence_girl*)

Overrides: q3_boy.boy.cal_happiness

Inherited from object

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

9.2.2 Properties

Name	Description
Inherited from object	
__class__	

9.2.3 Class Variables

Name	Description
__abstractmethods__	**Value:** `frozenset([])`

9.2.4 Instance Variables

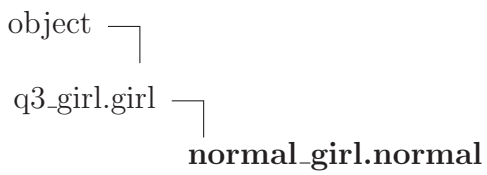
Name	Description
typee	this function will calculate happiness for miser boy object
Inherited from q3_boy.boy (Section 12.2) happiness	

10 Module normal_girl

10.1 Variables

Name	Description
__package__	**Value:** `None`

10.2 Class normal



10.2.1 Methods

__init__(*self*, *name*=`None`, *attractiveness*=`None`, *intelligence*=`None`, *budget*=`None`)

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

Overrides: object.__init__ extit(inherited documentation)

cal_happiness(*self*, *gifts_array*)

Overrides: q3_girl.girl.cal_happiness

Inherited from object

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

10.2.2 Properties

Name	Description
Inherited from object	
__class__	

10.2.3 Instance Variables

Name	Description
Inherited from q3_girl.girl (Section 14.2)	
happiness	

11 Module q3

11.1 Functions

comapare_gifts(*gift_object1*, *gift_object2*)

compare_fitting(*couple1*, *couple2*)

compare_happiness(*couple1*, *couple2*)

11.2 Variables

Name	Description
girl_array	**Value:** []
boy_array	**Value:** []
couple_array	**Value:** []
gift_array	**Value:** []
row_count_boys	**Value:** 12
boyReader	**Value:** csv.reader(boysfile, delimiter= ',')
boyslist	**Value:** [['ram ', ' 5 ', ' 9 ', ' geek ', ' 100'], ['shyam ', ' 7...
row_count_girls	**Value:** 6
girlReader	**Value:** csv.reader(girlsfile, delimiter= ',')
girlslist	**Value:** [['radha ', ' 5 ', ' 6 ', ' choosy ', ' 80'], ['tina ', '...
row_count_gifts	**Value:** 20
giftReader	**Value:** csv.reader(giftsfile)
giftslist	**Value:** [['Luxury ', '8 ', '9'], ['Utility', ' 5', ' 5'], ['Essen...
k	**Value:** 4
file	**Value:** open('ans_file_Happiness.txt', 'w')
ansfilewriter	**Value:** csv.writer(ansfile)
__package__	**Value:** None
ansfile	**Value:** <closed file 'ans_file_Happiness.txt', mode 'a' at 0x7fd1...
boysfile	**Value:** <closed file 'boys.csv', mode 'r' at 0x7fd15a9de1e0>

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Name	Description
giftsfile	**Value:** <closed file 'gifts.txt', mode 'r' at 0x7fd15a9de420>
girlsfile	**Value:** <closed file 'girls.txt', mode 'r' at 0x7fd15a9de150>
hap_boy	**Value:** 69
hap_girl	**Value:** 69
i	**Value:** 3
j	**Value:** 19
main_cost	**Value:** 178
row	**Value:** ['Luxury ', ' 6 ', ' 7']
x	**Value:** 118
y	**Value:** 129

12 Module q3_boy

12.1 Variables

Name	Description
__package__	**Value:** `None`

12.2 Class boy

object
└ **q3_boy.boy**

Known Subclasses: geek_boy.geek, generous_boy.generous, miser_boy.miser

12.2.1 Methods

__init__(*self*, *name*=`None`, *attractiveness*=`None`, *intelligence*=`None`, *budget*=`None`)

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

Overrides: object.__init__ extit(inherited documentation)

cal_happiness(*self*, *gifts_Array*, *happiness_of_girl*, *intelligence_girl*)

Inherited from object

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

12.2.2 Properties

Name	Description
Inherited from object	
__class__	

12.2.3 Class Variables

Name	Description
__abstractmethods__	**Value:** `frozenset(['cal_happiness'])`

12.2.4 Instance Variables

Name	Description
happiness	this abstract method s used to calculate happiness , which will be made concrete in the calling class

13 Module q3_gift

13.1 Variables

Name	Description
__package__	**Value:** `None`

13.2 Class gift

object
└ **q3_gift.gift**

Known Subclasses: essential_gift.essential, luxury_gift.luxury, utility_gift.utility

13.2.1 Methods

__init__(*self*, *cost*=`None`, *value*=`None`, *gift_name*=`None`)

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

Overrides: object.__init__ extit(inherited documentation)

Inherited from object

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

13.2.2 Properties

Name	Description
Inherited from object	
__class__	

13.2.3 Class Variables

Name	Description
__abstractmethods__	**Value:** `frozenset([])`

14 Module q3_girl

14.1 Variables

Name	Description
__package__	**Value:** `None`

14.2 Class girl

object
└
q3_girl.girl

Known Subclasses: choosy_girl.choosy, chossy_girl.Choosy, desperate_girl.desperate, normal_girl.normal

14.2.1 Methods

__init__(*self*, *name*=`None`, *attractiveness*=`None`, *intelligence*=`None`, *budget*=`None`)

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

Overrides: object.__init__ extit(inherited documentation)

cal_happiness(*self*, *gifts_Array*)

Inherited from object

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

14.2.2 Properties

Name	Description
Inherited from object	
__class__	

14.2.3 Instance Variables

Name	Description
happiness	this abstract function is used to calculate happiness , will be made concrete in the calling class

15 Module q4

15.1 Functions

comapare_gifts(*gift_object1*, *gift_object2*)

compare_fitting(*couple1*, *couple2*)

compare_happiness(*couple1*, *couple2*)

15.2 Variables

Name	Description
girl_array	**Value:** []
boy_array	**Value:** []
couple_array	**Value:** []
gift_array	**Value:** []
row_count_boys	**Value:** 12
boyReader	**Value:** csv.reader(boysfile, delimiter= ’,’)
boyslist	**Value:** [[’ram ’, ’ 5 ’, ’ 9 ’, ’ geek ’, ’ 100’], [’shyam ’, ’ 7...
row_count_girls	**Value:** 6
girlReader	**Value:** csv.reader(girlsfile, delimiter= ’,’)
girlslist	**Value:** [[’radha ’, ’ 5 ’, ’ 6 ’, ’ choosy ’, ’ 80’], [’tina ’, ’...
row_count_gifts	**Value:** 20
giftReader	**Value:** csv.reader(giftsfile)
giftslist	**Value:** [[’Luxury ’, ’8 ’, ’9’], [’Utility’, ’ 5’, ’ 5’], [’Essen...
k	**Value:** 1
d	**Value:** {’krishna ’: ’Laila ’}
file	**Value:** open(’ans_file_Happiness_after_breakup.txt’, ’w’)
ansfilewriter	**Value:** csv.writer(ansfile)
__package__	**Value:** None
ansfile	**Value:** <closed file ’ans_file_Happiness_breakup.txt’, mode ’a’ a...

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Name	Description
boysfile	**Value:** <closed file 'boys.csv', mode 'r' at 0x7fd15a9de540>
giftsfile	**Value:** <closed file 'gifts.txt', mode 'r' at 0x7fd15a9de6f0>
girlsfile	**Value:** <closed file 'girls.txt', mode 'r' at 0x7fd15a9de5d0>
hap_boy	**Value:** 69
hap_girl	**Value:** 69
i	**Value:** 0
j	**Value:** 5
main_cost	**Value:** 178
row	**Value:** ['Luxury ', ' 6 ', ' 7']
x	**Value:** 118
y	**Value:** 129

16 Module q5

16.1 Functions

cmp_attractiveness(*b1*, *b2*)

cmp_maintenance(*g1*, *g2*)

comapare_gifts(*gift_object1*, *gift_object2*)

compare_fitting(*couple1*, *couple2*)

compare_happiness(*couple1*, *couple2*)

16.2 Variables

Name	Description
girl_array	**Value:** `[]`
boy_array	**Value:** `[]`
couple_array	**Value:** `[]`
gift_array	**Value:** `[]`
row_count_boys	**Value:** `12`
boyReader	**Value:** `csv.reader(boysfile, delimiter=',')`
boyslist	**Value:** `[['ram ', ' 5 ', ' 9 ', ' geek ', ' 100'], ['shyam ', ' 7...`
row_count_girls	**Value:** `6`
girlReader	**Value:** `csv.reader(girlsfile, delimiter=',')`
girlslist	**Value:** `[['radha ', ' 5 ', ' 6 ', ' choosy ', ' 80'], ['tina ', '...`
row_count_gifts	**Value:** `20`
giftReader	**Value:** `csv.reader(giftsfile)`
giftslist	**Value:** `[['Luxury ', '8 ', '9'], ['Utility', ' 5', ' 5'], ['Essen...`
cnt	**Value:** `6`
k	**Value:** `4`
file	**Value:** `open('ans_file_Happiness.txt', 'w')`
ansfilewriter	**Value:** `csv.writer(ansfile)`
__package__	**Value:** `None`

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Name	Description
ansfile	**Value:** <closed file 'ans_file_Happiness.txt', mode 'a' at 0x7fd1...
boysfile	**Value:** <closed file 'boys.csv', mode 'r' at 0x7fd15a9de810>
flag	**Value:** 0
giftsfile	**Value:** <closed file 'gifts.txt', mode 'r' at 0x7fd15a9de930>
girlsfile	**Value:** <closed file 'girls.txt', mode 'r' at 0x7fd15a9de9c0>
hap_boy	**Value:** 69
hap_girl	**Value:** 69
i	**Value:** 3
j	**Value:** 19
main_cost	**Value:** 178
row	**Value:** ['Luxury ', ' 6 ', ' 7']
x	**Value:** 118
y	**Value:** 129

17 Module q6

17.1 Functions

compare_fitting(*couple1*, *couple2*)

compare_happiness(*couple1*, *couple2*)

comapare_gifts(*gift_object1*, *gift_object2*)

17.2 Variables

Name	Description
girl_array	**Value:** `[]`
boy_array	**Value:** `[]`
couple_array	**Value:** `[]`
gift_array	**Value:** `[]`
row_count_boys	**Value:** `12`
boyReader	**Value:** `csv.reader(boysfile, delimiter= ',')`
boyslist	**Value:** `[['ram ', ' 5 ', ' 9 ', ' geek ', ' 100'], ['shyam ', ' 7...`
row_count_girls	**Value:** `6`
girlReader	**Value:** `csv.reader(girlsfile, delimiter= ',')`
girlslist	**Value:** `[['radha ', ' 5 ', ' 6 ', ' choosy ', ' 80'], ['tina ', '...`
row_count_gifts	**Value:** `20`
giftReader	**Value:** `csv.reader(giftsfile)`
giftslist	**Value:** `[['Luxury ', '8 ', '9'], ['Utility', ' 5', ' 5'], ['Essen...`
d	**Value:** `{'krishna ': 'Laila ', 'ram ': 'tina '}`
t	**Value:** `300`
i	**Value:** `2`
k	**Value:** `3`
file	**Value:** `open('ans_file_Happiness_after_breakup.txt', 'w')`
ansfilewriter	**Value:** `csv.writer(ansfile)`
__package__	**Value:** `None`

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Name	Description
ansfile	**Value:** <closed file 'ans_file_Happiness_breakup.txt', mode 'a' a...
boysfile	**Value:** <closed file 'boys.csv', mode 'r' at 0x7fd15a9deb70>
giftsfile	**Value:** <closed file 'gifts.txt', mode 'r' at 0x7fd15a9ded20>
girlsfile	**Value:** <closed file 'girls.txt', mode 'r' at 0x7fd15a9dec90>
hap_boy	**Value:** 69
hap_girl	**Value:** 69
j	**Value:** 5
k1	**Value:** 3
main_cost	**Value:** 178
row	**Value:** ['Luxury ', ' 6 ', ' 7']
x	**Value:** 118
y	**Value:** 129
z	**Value:** 299

18 Module q7

18.1 Variables

Name	Description
girl_array	**Value:** `[]`
boy_array	**Value:** `[]`
couple_array	**Value:** `[]`
gift_array	**Value:** `[]`
row_count_boys	**Value:** `12`
boyReader	**Value:** `csv.reader(boysfile, delimiter= ',')`
boyslist	**Value:** `[['ram ', ' 5 ', ' 9 ', ' geek ', ' 100'], ['shyam ', ' 7...`
row_count_girls	**Value:** `6`
girlReader	**Value:** `csv.reader(girlsfile, delimiter= ',')`
girlslist	**Value:** `[['radha ', ' 5 ', ' 6 ', ' choosy ', ' 80'], ['tina ', '...`
row_count_gifts	**Value:** `0`
ansfilewriter	**Value:** `csv.writer(ansfile)`
k	**Value:** `1`
store	**Value:** `sorted()`
couple_array_store	**Value:** `[]`
__package__	**Value:** `None`
ansfile	**Value:** `<closed file 'ans_file_couples.txt', mode 'w' at 0x7fd15a...`
boysfile	**Value:** `<closed file 'boys.csv', mode 'r' at 0x7fd15a9dedb0>`
girlsfile	**Value:** `<closed file 'girls.txt', mode 'r' at 0x7fd15a9def60>`
i	**Value:** `3`
j	**Value:** `5`
row	**Value:** `['Juliet ', ' 7 ', ' 8 ', ' normal ', ' 176']`

19 Module q7_algo

19.1 Variables

Name	Description
__package__	**Value:** `None`

19.2 Class algorithm

object
└ **q7_algo.algorithm**

Known Subclasses: q7_hash_table.hash_table, q7_sorted_array.sorted

19.2.1 Methods

__init__(*self*)

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

Overrides: object.__init__ extit(inherited documentation)

algo_applier(*self*)

Inherited from object

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

19.2.2 Properties

Name	Description
Inherited from object	
__class__	

19.2.3 Class Variables

Name	Description
__abstractmethods__	**Value:** `frozenset(['algo_applier'])`

19.2.4 Instance Variables

Name	Description
array_of_couple	this is abstract method , ehich will be made con-mcrete in child method that applies it

20 Module q7_hash_table

20.1 Variables

Name	Description
__package__	**Value:** `None`

20.2 Class hash_table

object
└
q7_algo.algorithm
└
q7_hash_table.hash_table

20.2.1 Methods

__init__(*self*)

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

Overrides: object.__init__ extit(inherited documentation)

algo_applier(*self*, *array_of_couples*)

Overrides: q7_algo.algorithm.algo_applier

Inherited from object

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

20.2.2 Properties

Name	Description
Inherited from object	
__class__	

20.2.3 Class Variables

continued on next page

Name	Description

Name	Description
__abstractmethods__	**Value:** `frozenset([])`

20.2.4 Instance Variables

Name	Description
Inherited from q7_algo.algorithm (Section 19.2)	
array_of_couple	

21 Module q7_sorted_array

21.1 Variables

Name	Description
__package__	**Value:** `None`

21.2 Class sorted

object
└
q7_algo.algorithm
└
q7_sorted_array.sorted

21.2.1 Methods

__init__(*self*)

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

Overrides: object.__init__ extit(inherited documentation)

cmp(*couple_1*, *couple_2*)

algo_applier(*self*, *array_of_couples*)

Overrides: q7_algo.algorithm.algo_applier

Inherited from object

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

21.2.2 Properties

Name	Description
Inherited from object	
__class__	

21.2.3 Class Variables

Name	Description
__abstractmethods__	**Value:** `frozenset([])`

21.2.4 Instance Variables

Name	Description
Inherited from q7_algo.algorithm (Section 19.2)	
array_of_couple	

22 Script script-ans_file_Compatibility_txt

23 Script script-ans_file_Happiness_after_breakup_txt

24 Script script-ans_file_Happiness_breakup_txt

25 Script script-ans_file_Happiness_txt

26 Script script-ans_file_couples_q7_txt

27 Script script-ans_file_couples_txt

28 Script script-boys_csv

29 Script script-gifting_log_q9_txt

30 Script script-gifts_txt

31 Script script-girls_txt

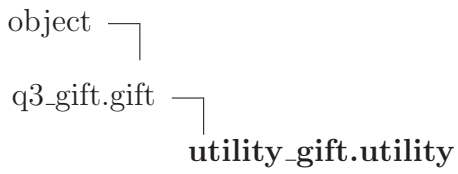
32 Script script-log_txt

33 Module utility_gift

33.1 Variables

Name	Description
__package__	**Value:** `None`

33.2 Class utility



33.2.1 Methods

__init__(*self*, *utility_value*=`None`, *utility_class*=`None`, *cost*=`None`, *value*=`None`, *gift_name*=`None`)

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

Overrides: object.__init__ extit(inherited documentation)

Inherited from object

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

33.2.2 Properties

Name	Description
Inherited from object	
__class__	

33.2.3 Class Variables

Name	Description
Inherited from q3_gift.gift (Section 13.2)	
__abstractmethods__	

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