PPL Assgnment

LIT2015011

Generated by Doxygen 1.8.13

Contents

1 Class Index **1**

1.1 Class List 1

2 File Index **3**

2.1 File List 3

3 Class Documentation **5**

3.1 boy Class Reference 5

3.1.1 Detailed Description 5

3.1.2 Member Function Documentation 5

3.1.2.1 constructor() 5

3.1.3 Member Data Documentation 6

3.1.3.1 attraction 6

3.1.3.2 budget 6

3.1.3.3 category 6

3.1.3.4 cb_num 6

3.1.3.5 intelligence 6

3.1.3.6 min_att 7

3.1.3.7 name 7

3.1.3.8 status 7

3.1.3.9 temp 7

3.2 couple Class Reference 7

3.2.1 Detailed Description 8

3.2.2 Member Data Documentation 8

3.2.2.1 b_name . . . 8
3.2.2.2 g_name . . . 8
3.3 gift Class Reference . . . 8
3.3.1 Detailed Description . . . 8
3.3.2 Member Data Documentation . . . 8
3.3.2.1 category . . . 9
3.3.2.2 price . . . 9
3.3.2.3 value . . . 9
3.4 girl Class Reference . . . 9
3.4.1 Detailed Description . . . 9
3.4.2 Member Function Documentation . . . 10
3.4.2.1 constructor() . . . 10
3.4.3 Member Data Documentation . . . 10
3.4.3.1 attraction . . . 10
3.4.3.2 category . . . 10
3.4.3.3 cg_num . . . 10
3.4.3.4 dumbness . . . 10
3.4.3.5 maintenance . . . 11
3.4.3.6 name . . . 11
3.4.3.7 status . . . 11
3.4.3.8 temp . . . 11
3.5 temp Struct Reference . . . 11
3.5.1 Detailed Description . . . 12
3.5.2 Member Data Documentation . . . 12
3.5.2.1 category . . . 12
3.5.2.2 price . . . 12
3.5.2.3 value . . . 12

4 File Documentation 13

4.1 E:/codes/stls/oom/assignment_q1.cpp File Reference . . . 13

4.1.1 Function Documentation . . . 13

4.1.1.1 main() . . . 13

4.2 E:/codes/stls/oom/assignment_q2.cpp File Reference . . . 13

4.2.1 Function Documentation . . . 14

4.2.1.1 main() . . . 14

4.3 E:/codes/stls/oom/assignment_q4.cpp File Reference . . . 14

4.3.1 Function Documentation . . . 14

4.3.1.1 main() . . . 14

4.4 E:/codes/stls/oom/assignment_q5.cpp File Reference . . . 15

4.4.1 Function Documentation . . . 15

4.4.1.1 bubble_sort() . . . 15

4.4.1.2 main() . . . 15

4.4.1.3 maxi() . . . 15

4.5 E:/codes/stls/oom/assignment_q6.cpp File Reference . . . 16

4.5.1 Function Documentation . . . 16

4.5.1.1 main() . . . 16

4.6 E:/codes/stls/oom/assignment_q7.cpp File Reference . . . 16

4.6.1 Function Documentation . . . 16

4.6.1.1 main() . . . 17

4.7 E:/codes/stls/oom/boy_data_1.cpp File Reference . . . 17

4.7.1 Function Documentation . . . 17

4.7.1.1 main() . . . 17

4.8 E:/codes/stls/oom/boy_data_2.cpp File Reference . . . 17

4.8.1 Function Documentation . . . 17

4.8.1.1 main() . . . 17

4.9 E:/codes/stls/oom/gift.cpp File Reference . . . 18

4.9.1 Function Documentation . . . 18

4.9.1.1 bubble() . . . 18

4.9.1.2 main() . . . 18
4.10 E:/codes/stls/oom/gift_generous.cpp File Reference . . . 18
4.10.1 Function Documentation . . . 19
4.10.1.1 bubble() . . . 19
4.10.1.2 main() . . . 19
4.11 E:/codes/stls/oom/girl_data_1.cpp File Reference . . . 19
4.11.1 Function Documentation . . . 19
4.11.1.1 main() . . . 19
4.12 E:/codes/stls/oom/girl_data_2.cpp File Reference . . . 20
4.12.1 Function Documentation . . . 20
4.12.1.1 main() . . . 20
4.13 E:/codes/stls/oom/input.cpp File Reference . . . 20
4.13.1 Function Documentation . . . 20
4.13.1.1 main() . . . 20
4.14 E:/codes/stls/oom/q1.cpp File Reference . . . 20
4.14.1 Function Documentation . . . 21
4.14.1.1 main() . . . 21
4.15 E:/codes/stls/oom/Untitled Folder/gift_lux.cpp File Reference . . . 21
4.15.1 Function Documentation . . . 21
4.15.1.1 main() . . . 21
4.16 E:/codes/stls/oom/Untitled Folder/q111.cpp File Reference . . . 21
4.16.1 Function Documentation . . . 22
4.16.1.1 main() . . . 22
4.17 E:/codes/stls/oom/Untitled Folder/test.cpp File Reference . . . 22

Chapter 1

Class Index

1.1 Class List

Here are the classes, structs, unions and interfaces with brief descriptions:

boy 5
couple 7
gift 8
girl 9
temp 11

Chapter 2

File Index

2.1 File List

Here is a list of all files with brief descriptions:

E:/codes/stls/oom/assignment_q1.cpp . . . 13
E:/codes/stls/oom/assignment_q2.cpp . . . 13
E:/codes/stls/oom/assignment_q4.cpp . . . 14
E:/codes/stls/oom/assignment_q5.cpp . . . 15
E:/codes/stls/oom/assignment_q6.cpp . . . 16
E:/codes/stls/oom/assignment_q7.cpp . . . 16
E:/codes/stls/oom/boy_data_1.cpp . . . 17
E:/codes/stls/oom/boy_data_2.cpp . . . 17
E:/codes/stls/oom/gift.cpp . . . 18
E:/codes/stls/oom/gift_generous.cpp . . . 18
E:/codes/stls/oom/girl_data_1.cpp . . . 19
E:/codes/stls/oom/girl_data_2.cpp . . . 20
E:/codes/stls/oom/input.cpp . . . 20
E:/codes/stls/oom/q1.cpp . . . 20
E:/codes/stls/oom/Untitled Folder/gift_lux.cpp . . . 21
E:/codes/stls/oom/Untitled Folder/q111.cpp . . . 21
E:/codes/stls/oom/Untitled Folder/test.cpp . . . 22

Chapter 3

Class Documentation

3.1 boy Class Reference

Public Member Functions

- constructor (name, intelligence, budget, attraction, status)

Public Attributes

- char name [5]
- int intelligence
- int budget
- int attraction
- int min_att
- int status
- int cb_num
- char category
- int temp

3.1.1 Detailed Description

Definition at line 5 of file assignment_q1.cpp.

3.1.2 Member Function Documentation

3.1.2.1 constructor()

```
boy::constructor (
            name ,
            intelligence ,
            budget ,
            attraction ,
            status  )  [inline]
```

Definition at line 5 of file test.cpp.

3.1.3 Member Data Documentation

3.1.3.1 attraction

```
int boy::attraction
```

Definition at line 8 of file assignment_q1.cpp.

3.1.3.2 budget

```
int boy::budget
```

Definition at line 8 of file assignment_q1.cpp.

3.1.3.3 category

```
char boy::category
```

Definition at line 7 of file q1.cpp.

3.1.3.4 cb_num

```
int boy::cb_num
```

Definition at line 8 of file assignment_q1.cpp.

3.1.3.5 intelligence

```
int boy::intelligence
```

Definition at line 8 of file assignment_q1.cpp.

3.1.3.6 min_att

```
int boy::min_att
```

Definition at line 8 of file assignment_q1.cpp.

3.1.3.7 name

```
char boy::name
```

Definition at line 7 of file assignment_q1.cpp.

3.1.3.8 status

```
int boy::status
```

Definition at line 8 of file assignment_q1.cpp.

3.1.3.9 temp

```
int boy::temp
```

Definition at line 8 of file q1.cpp.

The documentation for this class was generated from the following files:

- E:/codes/stls/oom/assignment_q1.cpp
- E:/codes/stls/oom/assignment_q2.cpp
- E:/codes/stls/oom/assignment_q4.cpp
- E:/codes/stls/oom/assignment_q5.cpp
- E:/codes/stls/oom/assignment_q6.cpp
- E:/codes/stls/oom/assignment_q7.cpp
- E:/codes/stls/oom/q1.cpp
- E:/codes/stls/oom/Untitled Folder/q111.cpp
- E:/codes/stls/oom/Untitled Folder/test.cpp

3.2 couple Class Reference

Public Attributes

- char b_name [5]
- char g_name [5]

3.2.1 Detailed Description

Definition at line 4 of file assignment_q7.cpp.

3.2.2 Member Data Documentation

3.2.2.1 b_name

```
char couple::b_name[5]
```

Definition at line 6 of file assignment_q7.cpp.

3.2.2.2 g_name

```
char couple::g_name[5]
```

Definition at line 6 of file assignment_q7.cpp.

The documentation for this class was generated from the following file:

- E:/codes/stls/oom/assignment_q7.cpp

3.3 gift Class Reference

Public Attributes

- char category
- int price
- int value

3.3.1 Detailed Description

Definition at line 18 of file assignment_q2.cpp.

3.3.2 Member Data Documentation

3.3.2.1 category

```
char gift::category
```

Definition at line 20 of file assignment_q2.cpp.

3.3.2.2 price

```
int gift::price
```

Definition at line 21 of file assignment_q2.cpp.

3.3.2.3 value

```
int gift::value
```

Definition at line 21 of file assignment_q2.cpp.

The documentation for this class was generated from the following file:

- E:/codes/stls/oom/assignment_q2.cpp

3.4 girl Class Reference

Public Member Functions

- constructor (name, intelligence, maintenance, status, dumbness)

Public Attributes

- char name [5]
- int attraction
- int dumbness
- int maintenance
- int status
- int cg_num
- char category
- int temp

3.4.1 Detailed Description

Definition at line 12 of file assignment_q1.cpp.

3.4.2 Member Function Documentation

3.4.2.1 constructor()

```
girl::constructor (
            name ,
            intelligence ,
            maintenance ,
            status ,
            dumbness  )  [inline]
```

Definition at line 15 of file test.cpp.

3.4.3 Member Data Documentation

3.4.3.1 attraction

```
int girl::attraction
```

Definition at line 15 of file assignment_q1.cpp.

3.4.3.2 category

```
char girl::category
```

Definition at line 14 of file q1.cpp.

3.4.3.3 cg_num

```
int girl::cg_num
```

Definition at line 15 of file assignment_q1.cpp.

3.4.3.4 dumbness

```
int girl::dumbness
```

Definition at line 15 of file assignment_q1.cpp.

3.4.3.5 maintenance

```
int girl::maintenance
```

Definition at line 15 of file assignment_q1.cpp.

3.4.3.6 name

```
char girl::name
```

Definition at line 14 of file assignment_q1.cpp.

3.4.3.7 status

```
int girl::status
```

Definition at line 15 of file assignment_q1.cpp.

3.4.3.8 temp

```
int girl::temp
```

Definition at line 15 of file q1.cpp.

The documentation for this class was generated from the following files:

- E:/codes/stls/oom/assignment_q1.cpp
- E:/codes/stls/oom/assignment_q2.cpp
- E:/codes/stls/oom/assignment_q4.cpp
- E:/codes/stls/oom/assignment_q5.cpp
- E:/codes/stls/oom/assignment_q6.cpp
- E:/codes/stls/oom/assignment_q7.cpp
- E:/codes/stls/oom/q1.cpp
- E:/codes/stls/oom/Untitled Folder/q111.cpp
- E:/codes/stls/oom/Untitled Folder/test.cpp

3.5 temp Struct Reference

Public Attributes

- int price
- int value
- char category

3.5.1 Detailed Description

Definition at line 4 of file gift.cpp.

3.5.2 Member Data Documentation

3.5.2.1 category

```
char temp::category
```

Definition at line 6 of file gift_generous.cpp.

3.5.2.2 price

```
int temp::price
```

Definition at line 5 of file gift.cpp.

3.5.2.3 value

```
int temp::value
```

Definition at line 5 of file gift.cpp.

The documentation for this struct was generated from the following files:

- E:/codes/stls/oom/gift.cpp
- E:/codes/stls/oom/gift_generous.cpp

Chapter 4

File Documentation

4.1 E:/codes/stls/oom/assignment_q1.cpp File Reference

```
#include <bits/stdc++.h>
```

Classes

- class boy
- class girl

Functions

- int main ()

4.1.1 Function Documentation

4.1.1.1 main()

```
int main ( )
```

Definition at line 18 of file assignment_q1.cpp.

4.2 E:/codes/stls/oom/assignment_q2.cpp File Reference

```
#include <bits/stdc++.h>
```

Classes

- class boy
- class girl
- class gift

Functions

- int main ()

4.2.1 Function Documentation

4.2.1.1 main()

```
int main ( )
```

Definition at line 24 of file assignment_q2.cpp.

4.3 E:/codes/stls/oom/assignment_q4.cpp File Reference

```
#include <bits/stdc++.h>
```

Classes

- class boy
- class girl

Functions

- int main ()

4.3.1 Function Documentation

4.3.1.1 main()

```
int main ( )
```

Definition at line 18 of file assignment_q4.cpp.

4.4 E:/codes/stls/oom/assignment_q5.cpp File Reference

```
#include <bits/stdc++.h>
```

Classes

- class boy
- class girl

Functions

- void bubble_sort (boy boy_arr[ ], girl girl_arr[ ], int n)
- int maxi (girl girl_arr[ ])
- int main ()

4.4.1 Function Documentation

4.4.1.1 bubble_sort()

```
void bubble_sort (
            boy boy_arr[],
            girl girl_arr[],
            int n )
```

Definition at line 18 of file assignment_q5.cpp.

4.4.1.2 main()

```
int main ( )
```

Definition at line 37 of file assignment_q5.cpp.

4.4.1.3 maxi()

```
int maxi (
            girl girl_arr[] )
```

Definition at line 29 of file assignment_q5.cpp.

4.5 E:/codes/stls/oom/assignment_q6.cpp File Reference

```
#include <bits/stdc++.h>
```

Classes

- class boy
- class girl

Functions

- int main ()

4.5.1 Function Documentation

4.5.1.1 main()

```
int main ( )
```

Definition at line 18 of file assignment_q6.cpp.

4.6 E:/codes/stls/oom/assignment_q7.cpp File Reference

```
#include <bits/stdc++.h>
```

Classes

- class couple
- class boy
- class girl

Functions

- int main ()

4.6.1 Function Documentation

4.6.1.1 main()

```
int main ( )
```

Definition at line 22 of file assignment_q7.cpp.

4.7 E:/codes/stls/oom/boy_data_1.cpp File Reference

```
#include <bits/stdc++.h>
```

Functions

- int main ()

4.7.1 Function Documentation

4.7.1.1 main()

```
int main ( )
```

Definition at line 3 of file boy_data_1.cpp.

4.8 E:/codes/stls/oom/boy_data_2.cpp File Reference

```
#include <bits/stdc++.h>
```

Functions

- int main ()

4.8.1 Function Documentation

4.8.1.1 main()

```
int main ( )
```

Definition at line 3 of file boy_data_2.cpp.

4.9 E:/codes/stls/oom/gift.cpp File Reference

```
#include <bits/stdc++.h>
```

Classes

- struct temp

Functions

- void bubble (struct temp arr[ ], int l, int r)
- main ()

4.9.1 Function Documentation

4.9.1.1 bubble()

```
void bubble (
            struct temp arr[],
            int l,
            int r )
```

Definition at line 7 of file gift.cpp.

4.9.1.2 main()

```
main ( )
```

Definition at line 23 of file gift.cpp.

4.10 E:/codes/stls/oom/gift_generous.cpp File Reference

```
#include <bits/stdc++.h>
```

Classes

- struct temp

Functions

- void bubble (struct temp arr[ ], int l, int r)
- main ()

4.10.1 Function Documentation

4.10.1.1 bubble()

```
void bubble (
            struct temp arr[],
            int l,
            int r )
```

Definition at line 8 of file gift_generous.cpp.

4.10.1.2 main()

```
main ( )
```

Definition at line 24 of file gift_generous.cpp.

4.11 E:/codes/stls/oom/girl_data_1.cpp File Reference

```
#include <bits/stdc++.h>
```

Functions

- int main ()

4.11.1 Function Documentation

4.11.1.1 main()

```
int main ( )
```

Definition at line 3 of file girl_data_1.cpp.

4.12 E:/codes/stls/oom/girl_data_2.cpp File Reference

```
#include <bits/stdc++.h>
```

Functions

- int main ()

4.12.1 Function Documentation

4.12.1.1 main()

```
int main ( )
```

Definition at line 3 of file girl_data_2.cpp.

4.13 E:/codes/stls/oom/input.cpp File Reference

```
#include <iostream>
```

Functions

- int main ()

4.13.1 Function Documentation

4.13.1.1 main()

```
int main ( )
```

Definition at line 4 of file input.cpp.

4.14 E:/codes/stls/oom/q1.cpp File Reference

```
#include <bits/stdc++.h>
```

Classes

- class boy
- class girl

Functions

- int main ()

4.14.1 Function Documentation

4.14.1.1 main()

```
int main ( )
```

Definition at line 18 of file q1.cpp.

4.15 E:/codes/stls/oom/Untitled Folder/gift_lux.cpp File Reference

```
#include <bits/stdc++.h>
```

Functions

- main ()

4.15.1 Function Documentation

4.15.1.1 main()

```
main ( )
```

Definition at line 4 of file gift_lux.cpp.

4.16 E:/codes/stls/oom/Untitled Folder/q111.cpp File Reference

```
#include <bits/stdc++.h>
```

Classes

- class boy
- class girl

Functions

- int main ()

4.16.1 Function Documentation

4.16.1.1 main()

```
int main ( )
```

Definition at line 18 of file q111.cpp.

4.17 E:/codes/stls/oom/Untitled Folder/test.cpp File Reference

```
#include <bits/stdc++.h>
```

Classes

- class boy
- class girl