PPL

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Chapter 1

Class Index

1.1 Class List

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

allocate 5
boy 6
girl 9

Chapter 2

File Index

2.1 File List

Here is a list of all files with brief descriptions:

Question1/allocate.cpp 13
Question1/allocate.h 14
Question1/boy.cpp 14
Question1/boy.h 15
Question1/girl.cpp 15
Question1/girl.h 15
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Chapter 3

Class Documentation

3.1 allocate Class Reference

`#include <allocate.h>`

Friends

- void input ()
- void make_couple (boy a[ ], girl g[ ])

3.1.1 Detailed Description

Definition at line 6 of file allocate.h.

3.1.2 Friends And Related Function Documentation

3.1.2.1 input

```
void input ( )  [friend]
```

Definition at line 10 of file allocate.cpp.

3.1.2.2 make_couple

```
void make_couple (
            boy a[],
            girl g[] )  [friend]
```

Definition at line 40 of file allocate.cpp.

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

- Question1/allocate.h

3.2 boy Class Reference

`#include <boy.h>`

Public Member Functions

- std::string getname ()
- int get_attract ()
- int get_budget ()
- int get_intel ()
- int get_reqattract ()
- bool get_commitstatus ()
- void set_commitstatus ()
- void setname (string)
- void set_budget (int)
- void set_intel (int)
- void set_reqattract (int)
- void set_attract (int)
- bool check_dating_req (boy, girl)

3.2.1 Detailed Description

Definition at line 6 of file boy.h.

3.2.2 Member Function Documentation

3.2.2.1 check_dating_req()

```
bool boy::check_dating_req (
            boy b,
            girl g )
```

Definition at line 56 of file boy.cpp.

3.2.2.2 get_attract()

```
int boy::get_attract ( )
```

Definition at line 10 of file boy.cpp.

3.2.2.3 get_budget()

```
int boy::get_budget ( )
```

Definition at line 15 of file boy.cpp.

3.2.2.4 get_commitstatus()

```
bool boy::get_commitstatus ( )
```

Definition at line 28 of file boy.cpp.

3.2.2.5 get_intel()

```
int boy::get_intel ( )
```

Definition at line 20 of file boy.cpp.

3.2.2.6 get_reqattract()

```
int boy::get_reqattract ( )
```

Definition at line 24 of file boy.cpp.

3.2.2.7 getname()

```
string boy::getname ( )
```

Definition at line 5 of file boy.cpp.

3.2.2.8 set_attract()

```
void boy::set_attract (
            int attract )
```

Definition at line 52 of file boy.cpp.

3.2.2.9 set_budget()

```
void boy::set_budget (
            int budget )
```

Definition at line 40 of file boy.cpp.

3.2.2.10 set_commitstatus()

```
void boy::set_commitstatus ( )
```

Definition at line 32 of file boy.cpp.

3.2.2.11 set_intel()

```
void boy::set_intel (
            int iq )
```

Definition at line 48 of file boy.cpp.

3.2.2.12 set_reqattract()

```
void boy::set_reqattract (
            int minattrac )
```

Definition at line 44 of file boy.cpp.

3.2.2.13 setname()

```
void boy::setname (
            string name )
```

Definition at line 36 of file boy.cpp.

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

- Question1/boy.h
- Question1/boy.cpp

3.3 girl Class Reference

`#include <girl.h>`

Public Member Functions

- std::string getname ()
- std::string get_criteria ()
- int get_attract ()
- int get_maintenance_cost ()
- int get_intel ()
- bool get_commitstatus ()
- void set_commitstatus ()
- void setname (string)
- void set_budget (int)
- void set_intel (int)
- void set_maintenance_cost (int)
- void set_attract (int)
- void set_criteria (string)

3.3.1 Detailed Description

Definition at line 5 of file girl.h.

3.3.2 Member Function Documentation

3.3.2.1 get_attract()

```
int girl::get_attract ( )
```

Definition at line 12 of file girl.cpp.

3.3.2.2 get_commitstatus()

```
bool girl::get_commitstatus ( )
```

Definition at line 24 of file girl.cpp.

3.3.2.3 get_criteria()

```
std::string girl::get_criteria ( )
```

Definition at line 8 of file girl.cpp.

3.3.2.4 get_intel()

```
int girl::get_intel ( )
```

Definition at line 20 of file girl.cpp.

3.3.2.5 get_maintenance_cost()

```
int girl::get_maintenance_cost ( )
```

Definition at line 16 of file girl.cpp.

3.3.2.6 getname()

```
std::string girl::getname ( )
```

Definition at line 4 of file girl.cpp.

3.3.2.7 set_attract()

```
void girl::set_attract (
            int attract )
```

Definition at line 44 of file girl.cpp.

3.3.2.8 set_budget()

```
void girl::set_budget (
            int  )
```

3.3.2.9 set_commitstatus()

```
void girl::set_commitstatus ( )
```

Definition at line 28 of file girl.cpp.

3.3.2.10 set_criteria()

```
void girl::set_criteria (
            string criteria_for_choosing_boys )
```

Definition at line 48 of file girl.cpp.

3.3.2.11 set_intel()

```
void girl::set_intel (
            int iq )
```

Definition at line 40 of file girl.cpp.

3.3.2.12 set_maintenance_cost()

```
void girl::set_maintenance_cost (
            int budget )
```

Definition at line 36 of file girl.cpp.

3.3.2.13 setname()

```
void girl::setname (
            string name )
```

Definition at line 32 of file girl.cpp.

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

- Question1/girl.h
- Question1/girl.cpp

Chapter 4

File Documentation

4.1 Question1/allocate.cpp File Reference

```
#include <iostream>
#include <fstream>
#include "boy.h"
#include "girl.h"
#include "allocate.h"
#include <bits/stdc++.h>
#include <ctime>
#include <vector>
```

Functions

- void input ()
- void make_couple (boy a[ ], girl g[ ])

4.1.1 Function Documentation

4.1.1.1 input()

```
void input ( )
```

Definition at line 10 of file allocate.cpp.

4.1.1.2 make_couple()

```
void make_couple (
            boy a[],
            girl g[] )
```

Definition at line 40 of file allocate.cpp.

4.2 Question1/allocate.h File Reference

```
#include <vector>
#include "boy.h"
#include "girl.h"
```

Classes

- class allocate

Functions

- void input ()
- void make_couple (boy a[ ], girl g[ ])

4.2.1 Function Documentation

4.2.1.1 input()

```
void input ( )
```

Definition at line 10 of file allocate.cpp.

4.2.1.2 make_couple()

```
void make_couple (
            boy a[],
            girl g[] )
```

Definition at line 40 of file allocate.cpp.

4.3 Question1/boy.cpp File Reference

```
#include "boy.h"
#include "girl.h"
#include <string>
```

4.4 Question1/boy.h File Reference

```
#include <string>
#include "girl.h"
```

Classes

- class boy

4.5 Question1/girl.cpp File Reference

```
#include "girl.h"
#include <string>
```

4.6 Question1/girl.h File Reference

```
#include <string>
```

Classes

- class girl

4.7 Question1/q1.cpp File Reference

```
#include <iostream>
#include "boy.h"
#include "girl.h"
#include "allocate.h"
#include <vector>
```

Functions

- int main ()

4.7.1 Function Documentation

4.7.1.1 main()

```
int main ( )
```

Definition at line 7 of file q1.cpp.