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Chapter 1

Class Index

1.1 Class List

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Chapter 3

Class Documentation

3.1 The_Choosy_Girl Class Reference

`#include <The_Choosy_Girl.h>`

Public Member Functions

- string get_name ()
- int get_attractiveness ()
- int get_intelligence ()
- int get_main_budget ()
- bool get_rel_status ()
- int get_selection_criteria ()
- void set_name (string)
- void set_attractiveness (int)
- void set_intelligence (int)
- void set_main_budget (int)
- void set_rel_status (bool)
- void set_selection_criteria (int)

3.1.1 Detailed Description

Definition at line 5 of file The_Choosy_Girl.h.

3.1.2 Member Function Documentation

3.1.2.1 get_attractiveness()

```
int The_Choosy_Girl::get_attractiveness ( )
```

Definition at line 11 of file The_Choosy_Girl.cpp.

3.1.2.2 get_intelligence()

```
int The_Choosy_Girl::get_intelligence ( )
```

Definition at line 16 of file The_Choosy_Girl.cpp.

3.1.2.3 get_main_budget()

```
int The_Choosy_Girl::get_main_budget ( )
```

Definition at line 21 of file The_Choosy_Girl.cpp.

3.1.2.4 get_name()

```
string The_Choosy_Girl::get_name ( )
```

Definition at line 6 of file The_Choosy_Girl.cpp.

3.1.2.5 get_rel_status()

```
bool The_Choosy_Girl::get_rel_status ( )
```

Definition at line 26 of file The_Choosy_Girl.cpp.

3.1.2.6 get_selection_criteria()

```
int The_Choosy_Girl::get_selection_criteria ( )
```

Definition at line 31 of file The_Choosy_Girl.cpp.

3.1.2.7 set_attractiveness()

```
void The_Choosy_Girl::set_attractiveness (
            int a )
```

Definition at line 41 of file The_Choosy_Girl.cpp.

3.1.2.8 set_intelligence()

```
void The_Choosy_Girl::set_intelligence (
            int intel )
```

Definition at line 46 of file The_Choosy_Girl.cpp.

3.1.2.9 set_main_budget()

```
void The_Choosy_Girl::set_main_budget (
            int budget )
```

Definition at line 52 of file The_Choosy_Girl.cpp.

3.1.2.10 set_name()

```
void The_Choosy_Girl::set_name (
            string n )
```

Definition at line 36 of file The_Choosy_Girl.cpp.

3.1.2.11 set_rel_status()

```
void The_Choosy_Girl::set_rel_status (
            bool status )
```

Definition at line 57 of file The_Choosy_Girl.cpp.

3.1.2.12 set_selection_criteria()

```
void The_Choosy_Girl::set_selection_criteria (
            int criteria )
```

Definition at line 62 of file The_Choosy_Girl.cpp.

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

- kunal/ppl_q1/The_Choosy_Girl.h
- kunal/ppl_q1/The_Choosy_Girl.cpp

3.2 The_Desperate_Girl Class Reference

`#include <The_Desperate_Girl.h>`

Public Member Functions

- string get_name ()
- int get_attractiveness ()
- int get_intelligence ()
- int get_main_budget ()
- bool get_rel_status ()
- int get_selection_criteria ()
- void set_name (string)
- void set_attractiveness (int)
- void set_intelligence (int)
- void set_main_budget (int)
- void set_rel_status (bool)
- void set_selection_criteria (int)

3.2.1 Detailed Description

Definition at line 5 of file The_Desperate_Girl.h.

3.2.2 Member Function Documentation

3.2.2.1 get_attractiveness()

```
int The_Desperate_Girl::get_attractiveness ( )
```

Definition at line 9 of file The_Desperate_Girl.cpp.

3.2.2.2 get_intelligence()

```
int The_Desperate_Girl::get_intelligence ( )
```

Definition at line 14 of file The_Desperate_Girl.cpp.

3.2.2.3 get_main_budget()

```
int The_Desperate_Girl::get_main_budget ( )
```

Definition at line 19 of file The_Desperate_Girl.cpp.

3.2.2.4 get_name()

```
string The_Desperate_Girl::get_name ( )
```

Definition at line 4 of file The_Desperate_Girl.cpp.

3.2.2.5 get_rel_status()

```
bool The_Desperate_Girl::get_rel_status ( )
```

Definition at line 24 of file The_Desperate_Girl.cpp.

3.2.2.6 get_selection_criteria()

```
int The_Desperate_Girl::get_selection_criteria ( )
```

Definition at line 29 of file The_Desperate_Girl.cpp.

3.2.2.7 set_attractiveness()

```
void The_Desperate_Girl::set_attractiveness (
            int a )
```

Definition at line 39 of file The_Desperate_Girl.cpp.

3.2.2.8 set_intelligence()

```
void The_Desperate_Girl::set_intelligence (
            int intel )
```

Definition at line 44 of file The_Desperate_Girl.cpp.

3.2.2.9 set_main_budget()

```
void The_Desperate_Girl::set_main_budget (
            int budget )
```

Definition at line 50 of file The_Desperate_Girl.cpp.

3.2.2.10 set_name()

```
void The_Desperate_Girl::set_name (
            string n )
```

Definition at line 34 of file The_Desperate_Girl.cpp.

3.2.2.11 set_rel_status()

```
void The_Desperate_Girl::set_rel_status (
            bool status )
```

Definition at line 55 of file The_Desperate_Girl.cpp.

3.2.2.12 set_selection_criteria()

```
void The_Desperate_Girl::set_selection_criteria (
            int criteria )
```

Definition at line 60 of file The_Desperate_Girl.cpp.

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

- kunal/ppl_q1/The_Desperate_Girl.h
- kunal/ppl_q1/The_Desperate_Girl.cpp

3.3 The_Geeks_Boy Class Reference

```
#include <The_Geeks_Boy.h>
```

Public Member Functions

- string get_name ()
- int get_attractiveness ()
- int get_intelligence ()
- int get_budget ()
- int get_min_att_girl ()
- bool get_rel_status ()
- void set_name (string)
- void set_attractiveness (int)
- void set_intelligence (int)
- void set_budget (int)
- void set_min_att_girl (int)
- void set_rel_status (bool)

3.3.1 Detailed Description

Definition at line 5 of file The_Geeks_Boy.h.

3.3.2 Member Function Documentation

3.3.2.1 get_attractiveness()

```
int The_Geeks_Boy::get_attractiveness ( )
```

Definition at line 8 of file The_Geeks_Boy.cpp.

3.3.2.2 get_budget()

```
int The_Geeks_Boy::get_budget ( )
```

Definition at line 19 of file The_Geeks_Boy.cpp.

3.3.2.3 get_intelligence()

```
int The_Geeks_Boy::get_intelligence ( )
```

Definition at line 14 of file The_Geeks_Boy.cpp.

3.3.2.4 get_min_att_girl()

```
int The_Geeks_Boy::get_min_att_girl ( )
```

Definition at line 24 of file The_Geeks_Boy.cpp.

3.3.2.5 get_name()

```
string The_Geeks_Boy::get_name ( )
```

Definition at line 3 of file The_Geeks_Boy.cpp.

3.3.2.6 get_rel_status()

```
bool The_Geeks_Boy::get_rel_status ( )
```

Definition at line 29 of file The_Geeks_Boy.cpp.

3.3.2.7 set_attractiveness()

```
void The_Geeks_Boy::set_attractiveness (
            int a )
```

Definition at line 39 of file The_Geeks_Boy.cpp.

3.3.2.8 set_budget()

```
void The_Geeks_Boy::set_budget (
            int bud )
```

Definition at line 49 of file The_Geeks_Boy.cpp.

3.3.2.9 set_intelligence()

```
void The_Geeks_Boy::set_intelligence (
            int intel )
```

Definition at line 44 of file The_Geeks_Boy.cpp.

3.3.2.10 set_min_att_girl()

```
void The_Geeks_Boy::set_min_att_girl (
            int girl )
```

Definition at line 54 of file The_Geeks_Boy.cpp.

3.3.2.11 set_name()

```
void The_Geeks_Boy::set_name (
            string n )
```

Definition at line 34 of file The_Geeks_Boy.cpp.

3.3.2.12 set_rel_status()

```
void The_Geeks_Boy::set_rel_status (
            bool status )
```

Definition at line 59 of file The_Geeks_Boy.cpp.

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

- kunal/ppl_q1/The_Geeks_Boy.h
- kunal/ppl_q1/The_Geeks_Boy.cpp

3.4 The_Generous_Boy Class Reference

```
#include <The_Generous_Boy.h>
```

Public Member Functions

- string get_name ()
- int get_attractiveness ()
- int get_intelligence ()
- int get_budget ()
- int get_min_att_girl ()
- bool get_rel_status ()
- void set_name (string)
- void set_attractiveness (int)
- void set_intelligence (int)
- void set_budget (int)
- void set_min_att_girl (int)
- void set_rel_status (bool)

3.4.1 Detailed Description

Definition at line 5 of file The_Generous_Boy.h.

3.4.2 Member Function Documentation

3.4.2.1 get_attractiveness()

```
int The_Generous_Boy::get_attractiveness ( )
```

Definition at line 11 of file The_Generous_Boy.cpp.

3.4.2.2 get_budget()

```
int The_Generous_Boy::get_budget ( )
```

Definition at line 22 of file The_Generous_Boy.cpp.

3.4.2.3 get_intelligence()

```
int The_Generous_Boy::get_intelligence ( )
```

Definition at line 17 of file The_Generous_Boy.cpp.

3.4.2.4 get_min_att_girl()

```
int The_Generous_Boy::get_min_att_girl ( )
```

Definition at line 27 of file The_Generous_Boy.cpp.

3.4.2.5 get_name()

```
string The_Generous_Boy::get_name ( )
```

Definition at line 6 of file The_Generous_Boy.cpp.

3.4.2.6 get_rel_status()

```
bool The_Generous_Boy::get_rel_status ( )
```

Definition at line 32 of file The_Generous_Boy.cpp.

3.4.2.7 set_attractiveness()

```
void The_Generous_Boy::set_attractiveness (
            int a )
```

Definition at line 42 of file The_Generous_Boy.cpp.

3.4.2.8 set_budget()

```
void The_Generous_Boy::set_budget (
            int bud )
```

Definition at line 52 of file The_Generous_Boy.cpp.

3.4.2.9 set_intelligence()

```
void The_Generous_Boy::set_intelligence (
            int intel )
```

Definition at line 47 of file The_Generous_Boy.cpp.

3.4.2.10 set_min_att_girl()

```
void The_Generous_Boy::set_min_att_girl (
            int girl )
```

Definition at line 57 of file The_Generous_Boy.cpp.

3.4.2.11 set_name()

```
void The_Generous_Boy::set_name (
            string n )
```

Definition at line 37 of file The_Generous_Boy.cpp.

3.4.2.12 set_rel_status()

```
void The_Generous_Boy::set_rel_status (
            bool status )
```

Definition at line 62 of file The_Generous_Boy.cpp.

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

- kunal/ppl_q1/The_Generous_Boy.h
- kunal/ppl_q1/The_Generous_Boy.cpp

3.5 The_Miser_Boy Class Reference

```
#include <The_Miser_Boy.h>
```

Public Member Functions

- string get_name ()
- int get_attractiveness ()
- int get_intelligence ()
- int get_budget ()
- int get_min_att_girl ()
- bool get_rel_status ()
- void set_name (string)
- void set_attractiveness (int)
- void set_intelligence (int)
- void set_budget (int)
- void set_min_att_girl (int)
- void set_rel_status (bool)

3.5.1 Detailed Description

Definition at line 5 of file The_Miser_Boy.h.

3.5.2 Member Function Documentation

3.5.2.1 get_attractiveness()

```
int The_Miser_Boy::get_attractiveness ( )
```

Definition at line 8 of file The_Miser_Boy.cpp.

3.5.2.2 get_budget()

```
int The_Miser_Boy::get_budget ( )
```

Definition at line 19 of file The_Miser_Boy.cpp.

3.5.2.3 get_intelligence()

```
int The_Miser_Boy::get_intelligence ( )
```

Definition at line 14 of file The_Miser_Boy.cpp.

3.5.2.4 get_min_att_girl()

```
int The_Miser_Boy::get_min_att_girl ( )
```

Definition at line 24 of file The_Miser_Boy.cpp.

3.5.2.5 get_name()

```
string The_Miser_Boy::get_name ( )
```

Definition at line 3 of file The_Miser_Boy.cpp.

3.5.2.6 get_rel_status()

```
bool The_Miser_Boy::get_rel_status ( )
```

Definition at line 29 of file The_Miser_Boy.cpp.

3.5.2.7 set_attractiveness()

```
void The_Miser_Boy::set_attractiveness (
            int a )
```

Definition at line 39 of file The_Miser_Boy.cpp.

3.5.2.8 set_budget()

```
void The_Miser_Boy::set_budget (
            int bud )
```

Definition at line 49 of file The_Miser_Boy.cpp.

3.5.2.9 set_intelligence()

```
void The_Miser_Boy::set_intelligence (
            int i )
```

Definition at line 44 of file The_Miser_Boy.cpp.

3.5.2.10 set_min_att_girl()

```
void The_Miser_Boy::set_min_att_girl (
            int girl )
```

Definition at line 54 of file The_Miser_Boy.cpp.

3.5.2.11 set_name()

```
void The_Miser_Boy::set_name (
            string name )
```

Definition at line 34 of file The_Miser_Boy.cpp.

3.5.2.12 set_rel_status()

```
void The_Miser_Boy::set_rel_status (
            bool status )
```

Definition at line 59 of file The_Miser_Boy.cpp.

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

- kunal/ppl_q1/The_Miser_Boy.h
- kunal/ppl_q1/The_Miser_Boy.cpp

3.6 The_Normal_Girl Class Reference

`#include <The_Normal_Girl.h>`

Public Member Functions

- string get_name ()
- int get_attractiveness ()
- int get_intelligence ()
- int get_main_budget ()
- bool ge_trel_status ()
- int get_selection_criteria ()
- void set_name (string)
- void set_attractiveness (int)
- void set_intelligence (int)
- void set_main_budget (int)
- void set_rel_status (bool)
- void set_selection_criteria (int)

3.6.1 Detailed Description

Definition at line 5 of file The_Normal_Girl.h.

3.6.2 Member Function Documentation

3.6.2.1 ge_trel_status()

```
bool The_Normal_Girl::ge_trel_status ( )
```

3.6.2.2 get_attractiveness()

```
int The_Normal_Girl::get_attractiveness ( )
```

Definition at line 9 of file The_Normal_Girl.cpp.

3.6.2.3 get_intelligence()

```
int The_Normal_Girl::get_intelligence ( )
```

Definition at line 14 of file The_Normal_Girl.cpp.

3.6.2.4 get_main_budget()

```
int The_Normal_Girl::get_main_budget ( )
```

Definition at line 19 of file The_Normal_Girl.cpp.

3.6.2.5 get_name()

```
string The_Normal_Girl::get_name ( )
```

Definition at line 4 of file The_Normal_Girl.cpp.

3.6.2.6 get_selection_criteria()

```
int The_Normal_Girl::get_selection_criteria ( )
```

Definition at line 29 of file The_Normal_Girl.cpp.

3.6.2.7 set_attractiveness()

```
void The_Normal_Girl::set_attractiveness (
             int a )
```

Definition at line 39 of file The_Normal_Girl.cpp.

3.6.2.8 set_intelligence()

```
void The_Normal_Girl::set_intelligence (
             int intel )
```

Definition at line 44 of file The_Normal_Girl.cpp.

3.6.2.9 set_main_budget()

```
void The_Normal_Girl::set_main_budget (
             int budget )
```

Definition at line 50 of file The_Normal_Girl.cpp.

3.6.2.10 set_name()

```
void The_Normal_Girl::set_name (
            string n )
```

Definition at line 34 of file The_Normal_Girl.cpp.

3.6.2.11 set_rel_status()

```
void The_Normal_Girl::set_rel_status (
            bool status )
```

Definition at line 55 of file The_Normal_Girl.cpp.

3.6.2.12 set_selection_criteria()

```
void The_Normal_Girl::set_selection_criteria (
            int criteria )
```

Definition at line 60 of file The_Normal_Girl.cpp.

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

- kunal/ppl_q1/The_Normal_Girl.h
- kunal/ppl_q1/The_Normal_Girl.cpp

3.7 xyz Class Reference

```
#include <input.h>
```

Friends

- void input ()
- void create_couple (The_Choosy_Girl x[ ], The_Generous_Boy y[ ])

3.7.1 Detailed Description

Definition at line 10 of file input.h.

3.7.2 Friends And Related Function Documentation

3.7.2.1 create_couple

```
void create_couple (
            The_Choosy_Girl x[],
            The_Generous_Boy y[] )  [friend]
```

Definition at line 69 of file input.cpp.

3.7.2.2 input

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

Definition at line 17 of file input.cpp.

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

- kunal/ppl_q1/input.h

Chapter 4

File Documentation

4.1 kunal/ppl_q1/input.cpp File Reference

```
#include "input.h"
#include <fstream>
#include <iostream>
#include <string>
#include <cstdlib>
#include <ctime>
#include "The_Miser_Boy.h"
#include "The_Generous_Boy.h"
#include "The_Geeks_Boy.h"
#include "The_Choosy_Girl.h"
#include "The_Normal_Girl.h"
#include "The_Desperate_Girl.h"
```

Functions

- void input ()
- void create_couple (The_Choosy_Girl x[ ], The_Generous_Boy y[ ])

4.1.1 Function Documentation

4.1.1.1 create_couple()

```
void create_couple (
            The_Choosy_Girl x[],
            The_Generous_Boy y[] )
```

Definition at line 69 of file input.cpp.

4.1.1.2 input()

```
void input ( )
```

Definition at line 17 of file input.cpp.

4.2 kunal/ppl_q1/input.h File Reference

```
#include "The_Miser_Boy.h"
#include "The_Generous_Boy.h"
#include "The_Geeks_Boy.h"
#include "The_Choosy_Girl.h"
#include "The_Normal_Girl.h"
#include "The_Desperate_Girl.h"
```

Classes

- class xyz

Functions

- void input ()
- void create_couple (The_Choosy_Girl x[ ], The_Generous_Boy y[ ])

4.2.1 Function Documentation

4.2.1.1 create_couple()

```
void create_couple (
            The_Choosy_Girl x[],
            The_Generous_Boy y[] )
```

Definition at line 69 of file input.cpp.

4.2.1.2 input()

```
void input ( )
```

Definition at line 17 of file input.cpp.

4.3 kunal/ppl_q1/q1.cpp File Reference

```
#include "The_Miser_Boy.h"
#include "The_Generous_Boy.h"
#include "The_Geeks_Boy.h"
#include "The_Choosy_Girl.h"
#include "The_Normal_Girl.h"
#include "The_Desperate_Girl.h"
#include "input.h"
#include <string>
```

Functions

- int main ()

4.3.1 Function Documentation

4.3.1.1 main()

```
int main ( )
```

Definition at line 10 of file q1.cpp.

4.4 kunal/ppl_q1/The_Choosy_Girl.cpp File Reference

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

4.5 kunal/ppl_q1/The_Choosy_Girl.h File Reference

```
#include <string>
```

Classes

- class The_Choosy_Girl

4.6 kunal/ppl_q1/The_Desperate_Girl.cpp File Reference

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

4.7 kunal/ppl_q1/The_Desperate_Girl.h File Reference

```
#include <string>
```

Classes

- class The_Desperate_Girl

4.8 kunal/ppl_q1/The_Geeks_Boy.cpp File Reference

```
#include "The_Geeks_Boy.h"
```

4.9 kunal/ppl_q1/The_Geeks_Boy.h File Reference

```
#include <string>
```

Classes

- class The_Geeks_Boy

4.10 kunal/ppl_q1/The_Generous_Boy.cpp File Reference

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

4.11 kunal/ppl_q1/The_Generous_Boy.h File Reference

```
#include <string>
```

Classes

- class The_Generous_Boy

4.12 kunal/ppl_q1/The_Miser_Boy.cpp File Reference

```
#include "The_Miser_Boy.h"
```

4.13 kunal/ppl_q1/The_Miser_Boy.h File Reference

```
#include <string>
```

Classes

- class The_Miser_Boy

4.14 kunal/ppl_q1/The_Normal_Girl.cpp File Reference

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

4.15 kunal/ppl_q1/The_Normal_Girl.h File Reference

```
#include <string>
```

Classes

- class The_Normal_Girl