PPL_1

IIT2015094

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Chapter 1

Class Index

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File Index

2.1 File List

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Chapter 3

Class Documentation

3.1 Choosy Class Reference

`#include <choosy.h>`

Public Member Functions

- std::string getname ()
- int getmaintenance ()
- bool getcommitted ()
- int getattraction ()
- int getintelligence ()
- int getpreference ()
- void setname (std::string)
- void setmaintenance (int)
- void setcommitted (bool)
- void setattraction (int)
- void setpreference (int)
- void setintelligence (int)

3.1.1 Detailed Description

Definition at line 5 of file choosy.h.

3.1.2 Member Function Documentation

3.1.2.1 getattraction()

`int Choosy::getattraction ( )`

Definition at line 42 of file choosy.cpp.

3.1.2.2 getcommitted()

```
bool Choosy::getcommitted ( )
```

Definition at line 38 of file choosy.cpp.

3.1.2.3 getintelligence()

```
int Choosy::getintelligence ( )
```

Definition at line 46 of file choosy.cpp.

3.1.2.4 getmaintenance()

```
int Choosy::getmaintenance ( )
```

Definition at line 34 of file choosy.cpp.

3.1.2.5 getname()

```
std::string Choosy::getname ( )
```

Definition at line 30 of file choosy.cpp.

3.1.2.6 getpreference()

```
int Choosy::getpreference ( )
```

Definition at line 50 of file choosy.cpp.

3.1.2.7 setattraction()

```
void Choosy::setattraction (
            int attr )
```

Definition at line 17 of file choosy.cpp.

3.1.2.8 setcommitted()

```
void Choosy::setcommitted (
            bool com )
```

Definition at line 13 of file choosy.cpp.

3.1.2.9 setintelligence()

```
void Choosy::setintelligence (
            int intel )
```

Definition at line 25 of file choosy.cpp.

3.1.2.10 setmaintenance()

```
void Choosy::setmaintenance (
            int maint )
```

Definition at line 9 of file choosy.cpp.

3.1.2.11 setname()

```
void Choosy::setname (
            std::string naam )
```

Definition at line 4 of file choosy.cpp.

3.1.2.12 setpreference()

```
void Choosy::setpreference (
            int pre )
```

Definition at line 21 of file choosy.cpp.

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

- /Volumes/Untitled/question_1/choosy.h
- /Volumes/Untitled/question_1/choosy.cpp

3.2 Couple Class Reference

`#include <couple.h>`

Friends

- void make1 ()

3.2.1 Detailed Description

Definition at line 9 of file couple.h.

3.2.2 Friends And Related Function Documentation

3.2.2.1 make1

`void make1 ( ) [friend]`

Definition at line 9 of file couple.cpp.

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

- /Volumes/Untitled/question_1/couple.h

3.3 Desperate Class Reference

`#include <desperate.h>`

Public Member Functions

- std::string getname ()
- int getmaintenance ()
- bool getcommitted ()
- int getattraction ()
- int getintelligence ()
- int getpreference ()
- void setname (std::string)
- void setmaintenance (int)
- void setcommitted (bool)
- void setattraction (int)
- void setpreference (int)
- void setintelligence (int)

3.3.1 Detailed Description

Definition at line 5 of file desperate.h.

3.3.2 Member Function Documentation

3.3.2.1 getattraction()

```
int Desperate::getattraction ( )
```

Definition at line 42 of file desperate.cpp.

3.3.2.2 getcommitted()

```
bool Desperate::getcommitted ( )
```

Definition at line 38 of file desperate.cpp.

3.3.2.3 getintelligence()

```
int Desperate::getintelligence ( )
```

Definition at line 46 of file desperate.cpp.

3.3.2.4 getmaintenance()

```
int Desperate::getmaintenance ( )
```

Definition at line 34 of file desperate.cpp.

3.3.2.5 getname()

```
std::string Desperate::getname ( )
```

Definition at line 30 of file desperate.cpp.

3.3.2.6 getpreference()

```
int Desperate::getpreference ( )
```

Definition at line 50 of file desperate.cpp.

3.3.2.7 setattraction()

```
void Desperate::setattraction (
            int attr )
```

Definition at line 17 of file desperate.cpp.

3.3.2.8 setcommitted()

```
void Desperate::setcommitted (
            bool com )
```

Definition at line 13 of file desperate.cpp.

3.3.2.9 setintelligence()

```
void Desperate::setintelligence (
            int intel )
```

Definition at line 25 of file desperate.cpp.

3.3.2.10 setmaintenance()

```
void Desperate::setmaintenance (
            int maint )
```

Definition at line 9 of file desperate.cpp.

3.3.2.11 setname()

```
void Desperate::setname (
            std::string naam )
```

Definition at line 4 of file desperate.cpp.

3.3.2.12 setpreference()

```
void Desperate::setpreference (
            int pre )
```

Definition at line 21 of file desperate.cpp.

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

- /Volumes/Untitled/question_1/desperate.h
- /Volumes/Untitled/question_1/desperate.cpp

3.4 Essential Class Reference

```
#include <essential.h>
```

Public Member Functions

- int getvalue ()
- int getprice ()
- void setprice (int)
- void setvalue (int)

3.4.1 Detailed Description

Definition at line 5 of file essential.h.

3.4.2 Member Function Documentation

3.4.2.1 getprice()

```
int Essential::getprice ( )
```

Definition at line 17 of file essential.cpp.

3.4.2.2 getvalue()

```
int Essential::getvalue ( )
```

Definition at line 13 of file essential.cpp.

3.4.2.3 setprice()

```
void Essential::setprice (
            int price )
```

Definition at line 9 of file essential.cpp.

3.4.2.4 setvalue()

```
void Essential::setvalue (
            int value )
```

Definition at line 4 of file essential.cpp.

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

- /Volumes/Untitled/question_1/essential.h
- /Volumes/Untitled/question_1/essential.cpp

3.5 Geeks Class Reference

```
#include <geeks.h>
```

Public Member Functions

- std::string getname ()
- int getbudget ()
- bool getcommitted ()
- int getattraction ()
- int getminattraction ()
- int getintelligence ()
- void setname (std::string)
- void setbudget (int)
- void setcommitted (bool)
- void setattraction (int)
- void setminattraction (int)
- void setintelligence (int)

3.5.1 Detailed Description

Definition at line 5 of file geeks.h.

3.5.2 Member Function Documentation

3.5.2.1 getattraction()

```
int Geeks::getattraction ( )
```

Definition at line 42 of file geeks.cpp.

3.5.2.2 getbudget()

```
int Geeks::getbudget ( )
```

Definition at line 34 of file geeks.cpp.

3.5.2.3 getcommitted()

```
bool Geeks::getcommitted ( )
```

Definition at line 38 of file geeks.cpp.

3.5.2.4 getintelligence()

```
int Geeks::getintelligence ( )
```

Definition at line 50 of file geeks.cpp.

3.5.2.5 getminattraction()

```
int Geeks::getminattraction ( )
```

Definition at line 46 of file geeks.cpp.

3.5.2.6 getname()

```
std::string Geeks::getname ( )
```

Definition at line 30 of file geeks.cpp.

3.5.2.7 setattraction()

```
void Geeks::setattraction (
            int attr )
```

Definition at line 16 of file geeks.cpp.

3.5.2.8 setbudget()

```
void Geeks::setbudget (
            int bud )
```

Definition at line 8 of file geeks.cpp.

3.5.2.9 setcommitted()

```
void Geeks::setcommitted (
            bool com )
```

Definition at line 12 of file geeks.cpp.

3.5.2.10 setintelligence()

```
void Geeks::setintelligence (
            int intel )
```

Definition at line 24 of file geeks.cpp.

3.5.2.11 setminattraction()

```
void Geeks::setminattraction (
            int min )
```

Definition at line 20 of file geeks.cpp.

3.5.2.12 setname()

```
void Geeks::setname (
            std::string naam )
```

Definition at line 3 of file geeks.cpp.

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

- /Volumes/Untitled/question_1/geeks.h
- /Volumes/Untitled/question_1/geeks.cpp

3.6 Generous Class Reference

```
#include <generous.h>
```

Public Member Functions

- std::string getname ()
- int getbudget ()
- bool getcommitted ()
- int getattraction ()
- int getminattraction ()
- int getintelligence ()
- void setname (std::string)
- void setbudget (int)
- void setcommitted (bool)
- void setattraction (int)
- void setminattraction (int)
- void setintelligence (int)

3.6.1 Detailed Description

Definition at line 5 of file generous.h.

3.6.2 Member Function Documentation

3.6.2.1 getattraction()

```
int Generous::getattraction ( )
```

Definition at line 43 of file generous.cpp.

3.6.2.2 getbudget()

```
int Generous::getbudget ( )
```

Definition at line 35 of file generous.cpp.

3.6.2.3 getcommitted()

```
bool Generous::getcommitted ( )
```

Definition at line 39 of file generous.cpp.

3.6.2.4 getintelligence()

```
int Generous::getintelligence ( )
```

Definition at line 51 of file generous.cpp.

3.6.2.5 getminattraction()

```
int Generous::getminattraction ( )
```

Definition at line 47 of file generous.cpp.

3.6.2.6 getname()

```
std::string Generous::getname ( )
```

Definition at line 31 of file generous.cpp.

3.6.2.7 setattraction()

```
void Generous::setattraction (
            int attr )
```

Definition at line 17 of file generous.cpp.

3.6.2.8 setbudget()

```
void Generous::setbudget (
            int bud )
```

Definition at line 9 of file generous.cpp.

3.6.2.9 setcommitted()

```
void Generous::setcommitted (
            bool com )
```

Definition at line 13 of file generous.cpp.

3.6.2.10 setintelligence()

```
void Generous::setintelligence (
            int intel )
```

Definition at line 25 of file generous.cpp.

3.6.2.11 setminattraction()

```
void Generous::setminattraction (
            int min )
```

Definition at line 21 of file generous.cpp.

3.6.2.12 setname()

```
void Generous::setname (
            std::string naam )
```

Definition at line 4 of file generous.cpp.

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

- /Volumes/Untitled/question_1/generous.h
- /Volumes/Untitled/question_1/generous.cpp

3.7 Miser Class Reference

`#include <miser.h>`

Public Member Functions

- std::string getname ()
- int getbudget ()
- bool getcommitted ()
- int getattraction ()
- int getminattraction ()
- int getintelligence ()
- void setname (std::string)
- void setbudget (int)
- void setcommitted (bool)
- void setattraction (int)
- void setminattraction (int)
- void setintelligence (int)

3.7.1 Detailed Description

Definition at line 5 of file miser.h.

3.7.2 Member Function Documentation

3.7.2.1 getattraction()

`int Miser::getattraction ( )`

Definition at line 43 of file miser.cpp.

3.7.2.2 getbudget()

`int Miser::getbudget ( )`

Definition at line 35 of file miser.cpp.

3.7.2.3 getcommitted()

```
bool Miser::getcommitted ( )
```

Definition at line 39 of file miser.cpp.

3.7.2.4 getintelligence()

```
int Miser::getintelligence ( )
```

Definition at line 51 of file miser.cpp.

3.7.2.5 getminattraction()

```
int Miser::getminattraction ( )
```

Definition at line 47 of file miser.cpp.

3.7.2.6 getname()

```
std::string Miser::getname ( )
```

Definition at line 31 of file miser.cpp.

3.7.2.7 setattraction()

```
void Miser::setattraction (
            int attr )
```

Definition at line 17 of file miser.cpp.

3.7.2.8 setbudget()

```
void Miser::setbudget (
            int bud )
```

Definition at line 9 of file miser.cpp.

3.7.2.9 setcommitted()

```
void Miser::setcommitted (
            bool com )
```

Definition at line 13 of file miser.cpp.

3.7.2.10 setintelligence()

```
void Miser::setintelligence (
            int intel )
```

Definition at line 25 of file miser.cpp.

3.7.2.11 setminattraction()

```
void Miser::setminattraction (
            int min )
```

Definition at line 21 of file miser.cpp.

3.7.2.12 setname()

```
void Miser::setname (
            std::string naam )
```

Definition at line 4 of file miser.cpp.

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

- /Volumes/Untitled/question_1/miser.h
- /Volumes/Untitled/question_1/miser.cpp

3.8 Normal Class Reference

```
#include <normal.h>
```

Public Member Functions

- std::string getname ()
- int getmaintenance ()
- bool getcommitted ()
- int getattraction ()
- int getintelligence ()
- int getpreference ()
- void setname (std::string)
- void setmaintenance (int)
- void setcommitted (bool)
- void setattraction (int)
- void setpreference (int)
- void setintelligence (int)

3.8.1 Detailed Description

Definition at line 5 of file normal.h.

3.8.2 Member Function Documentation

3.8.2.1 getattraction()

```
int Normal::getattraction ( )
```

Definition at line 42 of file normal.cpp.

3.8.2.2 getcommitted()

```
bool Normal::getcommitted ( )
```

Definition at line 38 of file normal.cpp.

3.8.2.3 getintelligence()

```
int Normal::getintelligence ( )
```

Definition at line 46 of file normal.cpp.

3.8.2.4 getmaintenance()

```
int Normal::getmaintenance ( )
```

Definition at line 34 of file normal.cpp.

3.8.2.5 getname()

```
std::string Normal::getname ( )
```

Definition at line 30 of file normal.cpp.

3.8.2.6 getpreference()

```
int Normal::getpreference ( )
```

Definition at line 50 of file normal.cpp.

3.8.2.7 setattraction()

```
void Normal::setattraction (
            int attr )
```

Definition at line 17 of file normal.cpp.

3.8.2.8 setcommitted()

```
void Normal::setcommitted (
            bool com )
```

Definition at line 13 of file normal.cpp.

3.8.2.9 setintelligence()

```
void Normal::setintelligence (
            int intel )
```

Definition at line 25 of file normal.cpp.

3.8.2.10 setmaintenance()

```
void Normal::setmaintenance (
            int maint )
```

Definition at line 9 of file normal.cpp.

3.8.2.11 setname()

```
void Normal::setname (
            std::string naam )
```

Definition at line 4 of file normal.cpp.

3.8.2.12 setpreference()

```
void Normal::setpreference (
            int pre )
```

Definition at line 21 of file normal.cpp.

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

- /Volumes/Untitled/question_1/normal.h
- /Volumes/Untitled/question_1/normal.cpp

Chapter 4

File Documentation

4.1 /Volumes/Untitled/question_1/choosy.cpp File Reference

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

4.2 /Volumes/Untitled/question_1/choosy.h File Reference

```
#include <string>
```

Classes

- class Choosy

4.3 /Volumes/Untitled/question_1/couple.cpp File Reference

```
#include "couple.h"
#include <iostream>
#include <string>
#include "miser.h"
#include "normal.h"
```

Functions

- void make1 ()

4.3.1 Function Documentation

4.3.1.1 make1()

```
void make1 ( )
```

Definition at line 9 of file couple.cpp.

4.4 /Volumes/Untitled/question_1/couple.h File Reference

```
#include <bits/stdc++.h>
#include "miser.h"
#include "normal.h"
```

Classes

- class Couple

Functions

- void make1 ()

4.4.1 Function Documentation

4.4.1.1 make1()

```
void make1 ( )
```

Definition at line 9 of file couple.cpp.

4.5 /Volumes/Untitled/question_1/desperate.cpp File Reference

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

4.6 /Volumes/Untitled/question_1/desperate.h File Reference

```
#include <string>
```

Classes

- class Desperate

4.7 /Volumes/Untitled/question_1/essential.cpp File Reference

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

4.8 /Volumes/Untitled/question_1/essential.h File Reference

```
#include <string>
```

Classes

- class Essential

4.9 /Volumes/Untitled/question_1/geeks.cpp File Reference

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

4.10 /Volumes/Untitled/question_1/geeks.h File Reference

```
#include <string>
```

Classes

- class Geeks

4.11 /Volumes/Untitled/question_1/generous.cpp File Reference

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

4.12 /Volumes/Untitled/question_1/generous.h File Reference

```
#include <string>
```

Classes

- class Generous

4.13 /Volumes/Untitled/question_1/miser.cpp File Reference

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

4.14 /Volumes/Untitled/question_1/miser.h File Reference

```
#include <string>
```

Classes

- class Miser

4.15 /Volumes/Untitled/question_1/normal.cpp File Reference

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

4.16 /Volumes/Untitled/question_1/normal.h File Reference

```
#include <string>
```

Classes

- class Normal

4.17 /Volumes/Untitled/question_1/q1.cpp File Reference

```
#include "miser.h"
#include "normal.h"
#include "couple.h"
#include <bits/stdc++.h>
```

Functions

- int main ()

4.17.1 Function Documentation

4.17.1.1 main()

```
int main ( )
```

Definition at line 7 of file q1.cpp.