PPL-1

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Chapter 1

Class Index

1.1 Class List

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Geeky 5
Generous 7
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Girl_Desperate 10
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Miser 14

Chapter 2

File Index

2.1 File List

Here is a list of all files with brief descriptions:

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/Volumes/Untitled/ayush/Ques1/extract_data.cpp 18
/Volumes/Untitled/ayush/Ques1/extract_data.h 18
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Chapter 3

Class Documentation

3.1 extract_data Class Reference

`#include <extract_data.h>`

Friends

- void extract (std::vector< Miser > &mb, std::vector< Geeky > &gb, std::vector< Generous > &genb, std::vector< Girl_Choosy > &gc, std::vector< Girl_Normal > &gn, std::vector< Girl_Desperate > &gd)

3.1.1 Friends And Related Function Documentation

3.1.1.1 extract

```
void extract (
            std::vector< Miser > & mb,
            std::vector< Geeky > & gb,
            std::vector< Generous > & genb,
            std::vector< Girl_Choosy > & gc,
            std::vector< Girl_Normal > & gn,
            std::vector< Girl_Desperate > & gd )  [friend]
```

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

- /Volumes/Untitled/ayush/Ques1/extract_data.h

3.2 Geeky Class Reference

`#include <Geeky.h>`

Public Member Functions

- Geeky (std::string, int, int, int, int)
- std::string getname ()
- int get_attract ()
- int get_budget ()
- int get_intel ()
- int get_reqattract ()
- int get_commitstatus ()
- int set_commitstatus ()

3.2.1 Constructor & Destructor Documentation

3.2.1.1 Geeky()

```
Geeky::Geeky (
            std::string Boy_Name,
            int Boy_Atr,
            int Boy_Budget,
            int Boy_Intel,
            int Req_Attract )
```

3.2.2 Member Function Documentation

3.2.2.1 get_attract()

```
int Geeky::get_attract ( )
```

3.2.2.2 get_budget()

```
int Geeky::get_budget ( )
```

3.2.2.3 get_commitstatus()

```
int Geeky::get_commitstatus ( )
```

3.2.2.4 get_intel()

```
int Geeky::get_intel ( )
```

3.2.2.5 get_reqattract()

```
int Geeky::get_reqattract ( )
```

3.2.2.6 getname()

```
std::string Geeky::getname ( )
```

3.2.2.7 set_commitstatus()

```
int Geeky::set_commitstatus ( )
```

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

- /Volumes/Untitled/ayush/Ques1/Geeky.h
- /Volumes/Untitled/ayush/Ques1/Geeky.cpp

3.3 Generous Class Reference

```
#include <Generous.h>
```

Public Member Functions

- Generous (std::string, int, int, int, int)
- std::string getname ()
- int get_attract ()
- int get_budget ()
- int get_intel ()
- int get_reqattract ()
- int get_commitstatus ()
- int set_commitstatus ()

3.3.1 Constructor & Destructor Documentation

3.3.1.1 Generous()

```
Generous::Generous (
            std::string Boy_Name,
            int Boy_Atr,
            int Boy_Budget,
            int Boy_Intel,
            int Req_Attract )
```

3.3.2 Member Function Documentation

3.3.2.1 get_attract()

```
int Generous::get_attract ( )
```

3.3.2.2 get_budget()

```
int Generous::get_budget ( )
```

3.3.2.3 get_commitstatus()

```
int Generous::get_commitstatus ( )
```

3.3.2.4 get_intel()

```
int Generous::get_intel ( )
```

3.3.2.5 get_reqattract()

```
int Generous::get_reqattract ( )
```

3.3.2.6 getname()

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

3.3.2.7 set_commitstatus()

```
int Generous::set_commitstatus ( )
```

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

- /Volumes/Untitled/ayush/Ques1/Generous.h
- /Volumes/Untitled/ayush/Ques1/Generous.cpp

3.4 Girl_Choosy Class Reference

```
#include <Girl_Choosy.h>
```

Public Member Functions

- Girl_Choosy (std::string, int, int, int, int)
- std::string getname ()
- int get_attract ()
- int get_budget ()
- int get_intel ()
- int get_commitstatus ()
- int get_pre ()

3.4.1 Constructor & Destructor Documentation

3.4.1.1 Girl_Choosy()

```
Girl_Choosy::Girl_Choosy (
            std::string Girl_Name,
            int Girl_Atr,
            int Girl_Budget,
            int Girl_Intel,
            int pre )
```

3.4.2 Member Function Documentation

3.4.2.1 get_attract()

```
int Girl_Choosy::get_attract ( )
```

3.4.2.2 get_budget()

```
int Girl_Choosy::get_budget ( )
```

3.4.2.3 get_commitstatus()

```
int Girl_Choosy::get_commitstatus ( )
```

3.4.2.4 get_intel()

```
int Girl_Choosy::get_intel ( )
```

3.4.2.5 get_pre()

```
int Girl_Choosy::get_pre ( )
```

3.4.2.6 getname()

```
std::string Girl_Choosy::getname ( )
```

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

- /Volumes/Untitled/ayush/Ques1/Girl_Choosy.h
- /Volumes/Untitled/ayush/Ques1/Girl_Choosy.cpp

3.5 Girl_Desperate Class Reference

```
#include <Girl_Desperate.h>
```

Public Member Functions

- Girl_Desperate (std::string, int, int, int, int)
- std::string getname ()
- int get_attract ()
- int get_budget ()
- int get_intel ()
- int get_commitstatus ()
- int get_pre ()

3.5.1 Constructor & Destructor Documentation

3.5.1.1 Girl_Desperate()

```
Girl_Desperate::Girl_Desperate (
            std::string Girl_Name,
            int Girl_Atr,
            int Girl_Budget,
            int Girl_Intel,
            int pre )
```

3.5.2 Member Function Documentation

3.5.2.1 get_attract()

```
int Girl_Desperate::get_attract ( )
```

3.5.2.2 get_budget()

```
int Girl_Desperate::get_budget ( )
```

3.5.2.3 get_commitstatus()

```
int Girl_Desperate::get_commitstatus ( )
```

3.5.2.4 get_intel()

```
int Girl_Desperate::get_intel ( )
```

3.5.2.5 get_pre()

```
int Girl_Desperate::get_pre ( )
```

3.5.2.6 getname()

```
std::string Girl_Desperate::getname ( )
```

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

- /Volumes/Untitled/ayush/Ques1/Girl_Desperate.h
- /Volumes/Untitled/ayush/Ques1/Girl_Desperate.cpp

3.6 Girl_Normal Class Reference

```
#include <Girl_Normal.h>
```

Public Member Functions

- Girl_Normal (std::string, int, int, int, int)
- std::string getname ()
- int get_attract ()
- int get_budget ()
- int get_intel ()
- int get_commitstatus ()
- int get_pre ()

3.6.1 Constructor & Destructor Documentation

3.6.1.1 Girl_Normal()

```
Girl_Normal::Girl_Normal (
            std::string Girl_Name,
            int Girl_Atr,
            int Girl_Budget,
            int Girl_Intel,
            int pre )
```

3.6.2 Member Function Documentation

3.6.2.1 get_attract()

```
int Girl_Normal::get_attract ( )
```

3.6.2.2 get_budget()

```
int Girl_Normal::get_budget ( )
```

3.6.2.3 get_commitstatus()

```
int Girl_Normal::get_commitstatus ( )
```

3.6.2.4 get_intel()

```
int Girl_Normal::get_intel ( )
```

3.6.2.5 get_pre()

```
int Girl_Normal::get_pre ( )
```

3.6.2.6 getname()

```
std::string Girl_Normal::getname ( )
```

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

- /Volumes/Untitled/ayush/Ques1/Girl_Normal.h
- /Volumes/Untitled/ayush/Ques1/Girl_Normal.cpp

3.7 Miser Class Reference

`#include <Miser.h>`

Public Member Functions

- Miser (std::string, int, int, int, int)
- std::string getname ()
- int get_attract ()
- int get_budget ()
- int get_intel ()
- int get_reqattract ()
- int get_commitstatus ()
- int set_commitstatus ()

3.7.1 Constructor & Destructor Documentation

3.7.1.1 Miser()

```
Miser::Miser (
            std::string Boy_Name,
            int Boy_Atr,
            int Boy_Budget,
            int Boy_Intel,
            int Req_Attract )
```

3.7.2 Member Function Documentation

3.7.2.1 get_attract()

```
int Miser::get_attract ( )
```

3.7.2.2 get_budget()

```
int Miser::get_budget ( )
```

3.7.2.3 get_commitstatus()

```
int Miser::get_commitstatus ( )
```

3.7.2.4 get_intel()

```
int Miser::get_intel ( )
```

3.7.2.5 get_reqattract()

```
int Miser::get_reqattract ( )
```

3.7.2.6 getname()

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

3.7.2.7 set_commitstatus()

```
int Miser::set_commitstatus ( )
```

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

- /Volumes/Untitled/ayush/Ques1/Miser.h
- /Volumes/Untitled/ayush/Ques1/Miser.cpp

Chapter 4

File Documentation

4.1 /Volumes/Untitled/ayush/Ques1/boygirldata_generator.cpp File Reference

```
#include <iostream>
#include <fstream>
#include <stdlib.h>
#include <string>
#include <ctime>
```

Functions

- std::string to_string (int number)
- int main ()

4.1.1 Function Documentation

4.1.1.1 main()

```
int main ( )
```

4.1.1.2 to_string()

```
std::string to_string (
            int number )
```

4.2 /Volumes/Untitled/ayush/Ques1/extract_data.cpp File Reference

```
#include "extract_data.h"
#include <fstream>
#include <iostream>
#include <cstdlib>
```

Functions

- void extract (std::vector< Miser > &mb, std::vector< Geeky > &gb, std::vector< Generous > &genb, std::vector< Girl_Choosy > &gc, std::vector< Girl_Normal > &gn, std::vector< Girl_Desperate > &gd)

4.2.1 Function Documentation

4.2.1.1 extract()

```
void extract (
            std::vector< Miser > & mb,
            std::vector< Geeky > & gb,
            std::vector< Generous > & genb,
            std::vector< Girl_Choosy > & gc,
            std::vector< Girl_Normal > & gn,
            std::vector< Girl_Desperate > & gd )
```

4.3 /Volumes/Untitled/ayush/Ques1/extract_data.h File Reference

```
#include <iostream>
#include "Miser.h"
#include "Geeky.h"
#include "Generous.h"
#include "Girl_Desperate.h"
#include "Girl_Normal.h"
#include "Girl_Choosy.h"
#include <vector>
```

Classes

- class extract_data

Functions

- void extract (std::vector< Miser > &mb, std::vector< Geeky > &gb, std::vector< Generous > &genb, std::vector< Girl_Choosy > &gc, std::vector< Girl_Normal > &gn, std::vector< Girl_Desperate > &gd)

4.3.1 Function Documentation

4.3.1.1 extract()

```
void extract (
            std::vector< Miser > & mb,
            std::vector< Geeky > & gb,
            std::vector< Generous > & genb,
            std::vector< Girl_Choosy > & gc,
            std::vector< Girl_Normal > & gn,
            std::vector< Girl_Desperate > & gd )
```

4.4 /Volumes/Untitled/ayush/Ques1/Geeky.cpp File Reference

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

4.5 /Volumes/Untitled/ayush/Ques1/Geeky.h File Reference

```
#include <string>
```

Classes

- class Geeky

4.6 /Volumes/Untitled/ayush/Ques1/Generous.cpp File Reference

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

4.7 /Volumes/Untitled/ayush/Ques1/Generous.h File Reference

```
#include <string>
```

Classes

- class Generous

4.8 /Volumes/Untitled/ayush/Ques1/gift_generator.cpp File Reference

```
#include <iostream>
#include <fstream>
#include <stdlib.h>
#include <string>
#include <ctime>
```

Functions

- std::string to_string (int number)
- int main ()

4.8.1 Function Documentation

4.8.1.1 main()

```
int main ( )
```

4.8.1.2 to_string()

```
std::string to_string (
            int number )
```

4.9 /Volumes/Untitled/ayush/Ques1/Girl_Choosy.cpp File Reference

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

4.10 /Volumes/Untitled/ayush/Ques1/Girl_Choosy.h File Reference

```
#include <string>
```

Classes

- class Girl_Choosy

4.11 /Volumes/Untitled/ayush/Ques1/Girl_Desperate.cpp File Reference

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

4.12 /Volumes/Untitled/ayush/Ques1/Girl_Desperate.h File Reference

```
#include <string>
```

Classes

- class Girl_Desperate

4.13 /Volumes/Untitled/ayush/Ques1/Girl_Normal.cpp File Reference

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

4.14 /Volumes/Untitled/ayush/Ques1/Girl_Normal.h File Reference

```
#include <string>
```

Classes

- class Girl_Normal

4.15 /Volumes/Untitled/ayush/Ques1/Miser.cpp File Reference

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

4.16 /Volumes/Untitled/ayush/Ques1/Miser.h File Reference

```
#include <string>
```

Classes

- class Miser

4.17 /Volumes/Untitled/ayush/Ques1/q1.cpp File Reference

```
#include <iostream>
#include "Miser.h"
#include "Geeky.h"
#include "Generous.h"
#include "Girl_Desperate.h"
#include "Girl_Normal.h"
#include "Girl_Choosy.h"
#include <vector>
#include "extract_data.h"
```

Functions

- int main ()

4.17.1 Function Documentation

4.17.1.1 main()

```
int main ( )
```