

# PPL ASSIGNMENT

IIT2015131

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# Chapter 1

## Class Index

### 1.1 Class List

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

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<a href="#">gift</a>	10
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## Chapter 2

# File Index

### 2.1 File List

Here is a list of all files with brief descriptions:

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## Chapter 3

# Class Documentation

### 3.1 boy Class Reference

```
#include <boy.h>
```

#### Public Member Functions

- void [setName](#) (char[])
- void [setAttractiveness](#) (int)
- void [setIntelligence](#) (int)
- void [setBudget](#) (int)
- void [setCommitted](#) (int)
- void [setMinattr](#) (int)
- void [setType](#) (int)
- char \* [getName](#) ()
- int [getAttractiveness](#) ()
- int [getIntelligence](#) ()
- int [getBudget](#) ()
- int [getMinattr](#) ()
- int [isCommitted](#) ()
- int [getType](#) ()

#### 3.1.1 Detailed Description

Definition at line 4 of file boy.h.

#### 3.1.2 Member Function Documentation

#### 3.1.2.1 getAttractiveness()

```
int boy::getAttractiveness ( )
```

Definition at line 29 of file boy.cpp.

#### 3.1.2.2 getBudget()

```
int boy::getBudget ( )
```

Definition at line 35 of file boy.cpp.

#### 3.1.2.3 getIntelligence()

```
int boy::getIntelligence ( )
```

Definition at line 32 of file boy.cpp.

#### 3.1.2.4 getMinattr()

```
int boy::getMinattr ( )
```

Definition at line 38 of file boy.cpp.

#### 3.1.2.5 getName()

```
char * boy::getName ( )
```

Definition at line 26 of file boy.cpp.

#### 3.1.2.6 getType()

```
int boy::getType ( )
```

Definition at line 44 of file boy.cpp.

#### 3.1.2.7 isCommitted()

```
int boy::isCommitted ( )
```

Definition at line 41 of file boy.cpp.

#### 3.1.2.8 setAttractiveness()

```
void boy::setAttractiveness (
    int a )
```

Definition at line 7 of file boy.cpp.

#### 3.1.2.9 setBudget()

```
void boy::setBudget (
    int b )
```

Definition at line 13 of file boy.cpp.

#### 3.1.2.10 setCommitted()

```
void boy::setCommitted (
    int x )
```

Definition at line 16 of file boy.cpp.

#### 3.1.2.11 setIntelligence()

```
void boy::setIntelligence (
    int i )
```

Definition at line 10 of file boy.cpp.

#### 3.1.2.12 setMinattr()

```
void boy::setMinattr (
    int m )
```

Definition at line 19 of file boy.cpp.

### 3.1.2.13 setName()

```
void boy::setName (
    char str[] )
```

Definition at line 4 of file boy.cpp.

### 3.1.2.14 setType()

```
void boy::setType (
    int t )
```

Definition at line 22 of file boy.cpp.

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

- Hello/[boy.h](#)
- Hello/[boy.cpp](#)

## 3.2 couple Class Reference

```
#include <couple.h>
```

### Public Member Functions

- void [setHappiness](#) (int)
- void [setComp](#) (int)
- void [setGname](#) (char[])
- void [setBname](#) (char[])
- int [getHappiness](#) ()
- int [getComp](#) ()
- char \* [getGname](#) ()
- char \* [getBname](#) ()

### 3.2.1 Detailed Description

Definition at line 4 of file couple.h.

### 3.2.2 Member Function Documentation

### 3.2.2.1 getName()

```
char * couple::getName ( )
```

Definition at line 26 of file couple.cpp.

### 3.2.2.2 getComp()

```
int couple::getComp ( )
```

Definition at line 20 of file couple.cpp.

### 3.2.2.3 getGname()

```
char * couple::getGname ( )
```

Definition at line 23 of file couple.cpp.

### 3.2.2.4 getHappiness()

```
int couple::getHappiness ( )
```

Definition at line 17 of file couple.cpp.

### 3.2.2.5 setName()

```
void couple::setName (
    char str[] )
```

Definition at line 13 of file couple.cpp.

### 3.2.2.6 setComp()

```
void couple::setComp (
    int c )
```

Definition at line 7 of file couple.cpp.

#### 3.2.2.7 setName()

```
void couple::setName (
    char str[] )
```

Definition at line 10 of file couple.cpp.

#### 3.2.2.8 setHappiness()

```
void couple::setHappiness (
    int h )
```

Definition at line 4 of file couple.cpp.

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

- [Hello/couple.h](#)
- [Hello/couple.cpp](#)

### 3.3 gift Class Reference

```
#include <gift.h>
```

#### Public Member Functions

- void [setPrice](#) (int)
- void [setValue](#) (int)
- void [setType](#) (int)
- int [getPrice](#) ()
- int [getValue](#) ()
- int [getType](#) ()

#### 3.3.1 Detailed Description

Definition at line 3 of file gift.h.

#### 3.3.2 Member Function Documentation



**3.3.2.1 getPrice()**

```
int gift::getPrice ( )
```

Definition at line 13 of file gift.cpp.

**3.3.2.2 getType()**

```
int gift::getType ( )
```

Definition at line 19 of file gift.cpp.

**3.3.2.3 getValue()**

```
int gift::getValue ( )
```

Definition at line 16 of file gift.cpp.

**3.3.2.4 setPrice()**

```
void gift::setPrice (
    int p )
```

Definition at line 3 of file gift.cpp.

**3.3.2.5 setType()**

```
void gift::setType (
    int t )
```

Definition at line 9 of file gift.cpp.

**3.3.2.6 setValue()**

```
void gift::setValue (
    int v )
```

Definition at line 6 of file gift.cpp.

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

- [Hello/gift.h](#)
- [Hello/gift.cpp](#)

## 3.4 girl Class Reference

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

### Public Member Functions

- void [setName](#) (char[ ])
- void [setAttractiveness](#) (int)
- void [setMaintenance](#) (int)
- void [setIntelligence](#) (int)
- void [setCriteria](#) (int)
- void [setCommitted](#) (int)
- void [setType](#) (int)
- char \* [getName](#) ()
- int [getAttractiveness](#) ()
- int [getMaintenance](#) ()
- int [getIntelligence](#) ()
- int [getCriteria](#) ()
- int [isCommitted](#) ()
- int [getType](#) ()

### 3.4.1 Detailed Description

Definition at line 4 of file girl.h.

### 3.4.2 Member Function Documentation

#### 3.4.2.1 [getAttractiveness\(\)](#)

```
int girl::getAttractiveness ( )
```

Definition at line 29 of file girl.cpp.

#### 3.4.2.2 [getCriteria\(\)](#)

```
int girl::getCriteria ( )
```

Definition at line 41 of file girl.cpp.

#### 3.4.2.3 getIntelligence()

```
int girl::getIntelligence ( )
```

Definition at line 32 of file girl.cpp.

#### 3.4.2.4 getMaintenance()

```
int girl::getMaintenance ( )
```

Definition at line 35 of file girl.cpp.

#### 3.4.2.5 getName()

```
char * girl::getName ( )
```

Definition at line 26 of file girl.cpp.

#### 3.4.2.6 getType()

```
int girl::getType ( )
```

Definition at line 44 of file girl.cpp.

#### 3.4.2.7 isCommitted()

```
int girl::isCommitted ( )
```

Definition at line 38 of file girl.cpp.

#### 3.4.2.8 setAttractiveness()

```
void girl::setAttractiveness (
    int a )
```

Definition at line 7 of file girl.cpp.

#### 3.4.2.9 setCommitted()

```
void girl::setCommitted (
    int x )
```

Definition at line 16 of file girl.cpp.

#### 3.4.2.10 setCriteria()

```
void girl::setCriteria (
    int c )
```

Definition at line 19 of file girl.cpp.

#### 3.4.2.11 setIntelligence()

```
void girl::setIntelligence (
    int i )
```

Definition at line 10 of file girl.cpp.

#### 3.4.2.12 setMaintenance()

```
void girl::setMaintenance (
    int m )
```

Definition at line 13 of file girl.cpp.

#### 3.4.2.13 setName()

```
void girl::setName (
    char str[] )
```

Definition at line 4 of file girl.cpp.

#### 3.4.2.14 setType()

```
void girl::setType (
    int t )
```

Definition at line 22 of file girl.cpp.

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

- [Hello/girl.h](#)
- [Hello/girl.cpp](#)

## Chapter 4

# File Documentation

### 4.1 Hello/boy.cpp File Reference

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

### 4.2 Hello/boy.h File Reference

#### Classes

- class [boy](#)

### 4.3 Hello/couple.cpp File Reference

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

### 4.4 Hello/couple.h File Reference

#### Classes

- class [couple](#)

### 4.5 Hello/function.h File Reference

```
#include <bits/stdc++.h>  
#include "boy.h"  
#include "girl.h"
```

## Functions

- void `readboys` (`boy` `b[]`)
- void `readgirls` (`girl` `g[]`)
- void `makepair` (`boy` `b[]`, `girl` `g[]`)

## Variables

- int `bsize` = 1
- int `gsize` = 1

### 4.5.1 Function Documentation

#### 4.5.1.1 `makepair()`

```
void makepair (  
    boy b[],  
    girl g[] )
```

Definition at line 51 of file `function.h`.

#### 4.5.1.2 `readboys()`

```
void readboys (  
    boy b[] )
```

Definition at line 9 of file `function.h`.

#### 4.5.1.3 `readgirls()`

```
void readgirls (  
    girl g[] )
```

Definition at line 32 of file `function.h`.

### 4.5.2 Variable Documentation

#### 4.5.2.1 bsize

```
int bsize = 1
```

Definition at line 6 of file function.h.

#### 4.5.2.2 gsize

```
int gsize = 1
```

Definition at line 7 of file function.h.

## 4.6 Hello/function2.h File Reference

```
#include <bits/stdc++.h>
#include "boy.h"
#include "girl.h"
#include "couple.h"
#include "gift.h"
```

### Functions

- void [readboys](#) ([boy](#) b[])
- void [readgirls](#) ([girl](#) g[])
- void [readcouple](#) ([couple](#) c[])
- void [readgift](#) ([gift](#) gf[])
- void [calc](#) ([couple](#) c[], [gift](#) gf[], [boy](#) b[], [girl](#) g[])

### Variables

- int [bsize](#) = 1
- int [gsize](#) = 1
- int [csize](#) = 1
- int [gfsz](#) = 1

#### 4.6.1 Function Documentation

#### 4.6.1.1 calc()

```
void calc (
    couple c[],
    gift gf[],
    boy b[],
    girl g[] )
```

Definition at line 97 of file function2.h.

#### 4.6.1.2 readboys()

```
void readboys (
    boy b[] )
```

Definition at line 12 of file function2.h.

#### 4.6.1.3 readcouple()

```
void readcouple (
    couple c[] )
```

Definition at line 55 of file function2.h.

#### 4.6.1.4 readgift()

```
void readgift (
    gift gf[] )
```

Definition at line 69 of file function2.h.

#### 4.6.1.5 readgirls()

```
void readgirls (
    girl g[] )
```

Definition at line 35 of file function2.h.

### 4.6.2 Variable Documentation



#### 4.6.2.1 bsize

```
int bsize = 1
```

Definition at line 9 of file function2.h.

#### 4.6.2.2 csize

```
int csize = 1
```

Definition at line 54 of file function2.h.

#### 4.6.2.3 gfsiz

```
int gfsiz = 1
```

Definition at line 68 of file function2.h.

#### 4.6.2.4 gsize

```
int gsize = 1
```

Definition at line 10 of file function2.h.

## 4.7 Hello/gift.cpp File Reference

```
#include "gift.h"
```

## 4.8 Hello/gift.h File Reference

### Classes

- class [gift](#)

## 4.9 Hello/girl.cpp File Reference

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

## 4.10 Hello/girl.h File Reference

### Classes

- class [girl](#)

## 4.11 Hello/test.cpp File Reference

```
#include <bits/stdc++.h>
#include "boy.h"
#include "girl.h"
#include "function.h"
#include "variable.h"
```

### Functions

- int [main](#) ()

#### 4.11.1 Function Documentation

##### 4.11.1.1 main()

```
int main ( )
```

Definition at line 9 of file test.cpp.

## 4.12 Hello/test2.cpp File Reference

```
#include <bits/stdc++.h>
#include "boy.h"
#include "girl.h"
#include "gift.h"
#include "couple.h"
#include "function2.h"
#include "variable.h"
```

### Functions

- int [main](#) ()

#### 4.12.1 Function Documentation

##### 4.12.1.1 main()

```
int main ( )
```

Definition at line 11 of file test2.cpp.