PPL-ASSIGNMENT-BIM2015004-Q1

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Class Index

Class List

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

File Index

File List

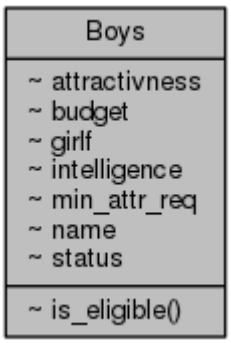
Here is a list of all files with brief descriptions:

Class Documentation

Boys

class **Boys**

Collaboration diagram for Boys:

IMAGE 

Package Functions

boolean **is_eligible** (int expense, int attar)

boolean type is_eligible function to check conditions

Package Attributes

int **attractivness**
int **budget**
String **girlf**
int **intelligence**
int **min_attr_req**
String **name**
String **status**

Detailed Description

class **Boys**

Member Function Documentation

boolean Boys.is_eligible (int *expense*, int *attar*)[inline], [package]

boolean type is_eligible function to check conditions

```
13                                          {
14          if (this.budget >= expense && this.min_attr_req <= attar){
15              return true;
16          }else{
17              return false;
18          }
19      }
```

Member Data Documentation

int Boys.attractivness[package]

int Boys.budget[package]

String Boys.girlf[package]

int Boys.intelligence[package]

int Boys.min_attr_req[package]

String Boys.name[package]

String Boys.status[package]

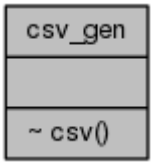
The documentation for this class was generated from the following file:

0 **Boys.java**

csv_gen

csv_gen class

Collaboration diagram for csv_gen:

IMAGE 

Package Functions

void **csv** ()

csv function to generate csv files this function creates csv files and writes into it

---

Detailed Description

csv_gen class

Member Function Documentation

void csv_gen.csv ()[inline], [package]

csv function to generate csv files this function creates csv files and writes into it

```
    6                   {
    7         try{
    8             FileWriter boy_file = new FileWriter("boy.csv");
    9             FileWriter girl_file = new FileWriter("girl.csv");
   10             int j;
   11             Random boy_rand = new Random();
   12             Random girl_rand = new Random();
   13             for(j=0;j<=20;j++){
   14
boy_file.write("B"+j+","+boy_rand.nextInt(10)+","+boy_rand.nextInt(10)+","+boy_ran
d.nextInt(10)+","+boy_rand.nextInt(1000)+","+"Single"+"\n");
   15             }
   16             for(j=0;j<=7;j++){
   17
girl_file.write("G"+j+","+girl_rand.nextInt(10)+","+girl_rand.nextInt(1000)+","+gi
rl_rand.nextInt(10)+","+"Single"+"\n");
   18             }
   19             boy_file.close();
   20             girl_file.close();
   21             }catch(IOException e){
   22
   23             }
   24
   25         }
```

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

1 **csv_gen.java**

Girls

Girls class.

Collaboration diagram for Girls:

IMAGE 

Package Functions

boolean **is_eligible** (int budget)

boolean type is_eligible function to check conditions

Package Attributes

int **attar**
String **boyf**
int **expense**
int **intelligence**
String **name**
String **status**

Detailed Description

Girls class.

Member Function Documentation

boolean Girls.is_eligible (int *budget*)`[inline]`, `[package]`

boolean type is_eligible function to check conditions

```
11                                      {
12      if (this.expense <= budget) {
13              return true;
14          }
15      else {
16              return false;
17          }
18      }
```

Member Data Documentation

int Girls.attar[package]

String Girls.boyf[package]

int Girls.expense[package]

int Girls.intelligence[package]

String Girls.name[package]

String Girls.status[package]

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

2 **Girls.java**

MyLogger

MyLogger class.

Collaboration diagram for MyLogger:

IMAGE 

Static Package Functions

static void **logger** (String[] s, int cnt)

logger function to log in to text file

Detailed Description

MyLogger class.

Member Function Documentation

static void MyLogger.logger (String [] *s*, int *cnt*)[inline], [static], [package]

logger function to log in to text file

```
 8                                       {
 9         try {
10         Logger logger = Logger.getLogger("My log");
11         FileHandler fh = new FileHandler("log.txt",true);
12         logger.addHandler(fh);
13         SimpleFormatter formatter = new SimpleFormatter();
14         fh.setFormatter(formatter);
15         logger.setUseParentHandlers(true);
16         int k=0;
17         for(k=0;k<cnt;k++){
18             logger.info(s[k]);
19             }
20          }
21     catch (SecurityException e) {
22         e.printStackTrace();
23         }catch (IOException e) {
24         e.printStackTrace();
25         }
26     }
```

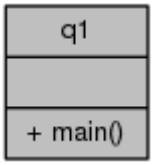
The documentation for this class was generated from the following file:

3 **MyLogger.java**

q1

class **q1**

Collaboration diagram for q1:

IMAGE 

Static Public Member Functions

static void **main** (String args[])

main class

Detailed Description

class **q1**

Member Function Documentation

static void q1.main (String *args*[])[inline], [static]

main class

```
 5                                          {
 6         int i,j;
 7         i=0;
 8         j=0;
 9         Boys b[] = new Boys[1000];
10         csv_gen csv_files = new csv_gen();
11         csv_files.csv();
12         String csvFile = "boy.csv";
13         String line = "";
14         String csvSplit = ",";
15         BufferedReader buff = null;
16         try{
17             buff = new BufferedReader(new FileReader(csvFile));
18             while((line = buff.readLine() )!= null){
19                 String[] boys_table = line.split(csvSplit);
20             //  System.out.println(boy[0] + boy[1] + boy[2] + boy [3]);
21                 b[i] = new Boys();
22                 b[i].name = boys_table[0];
23                 b[i].intelligence = Integer.parseInt(boys_table[1]);
24                 b[i].attractivness = Integer.parseInt(boys_table[2]);
25                 b[i].min_attr_req = Integer.parseInt(boys_table[3]);
26                 b[i].budget = Integer.parseInt(boys_table[4]);
27                 b[i].girlf="";
28                 b[i].status = boys_table[5];
29                 i++;
30             }
31         }
32
33         catch(FileNotFoundException e){
34             e.printStackTrace();
35         }catch(IOException e){
36             e.printStackTrace();
37         }
38
39         Girls g[] = new Girls[1000];
40         csvFile = "girl.csv";
```

```
41          line = "";
42          csvSplit = ",";
43          buff = null;
44
45
46          try{
47              buff = new BufferedReader(new FileReader(csvFile));
48              while((line = buff.readLine() )!= null){
49                  String[] girls_table = line.split(csvSplit);
50              //  System.out.println(boy[0] + boy[1] + boy[2] + boy [3]);
51                  g[j] = new Girls();
52                  g[j].name = girls_table[0];
53                  g[j].attar = Integer.parseInt(girls_table[1]);
54                  g[j].expense = Integer.parseInt(girls_table[2]);
55                  g[j].intelligence = Integer.parseInt(girls_table[3]);
56                  g[j].status = girls_table[4];
57                  g[j].boyf="";
58                  j++;
59              }
60          }
61          catch(FileNotFoundException e){
62              e.printStackTrace();
63          }catch(IOException e){
64              e.printStackTrace();
65          }finally{
66                  if(buff != null){
67                      try{
68                          buff.close();
69                      }catch(IOException e){
70                      e.printStackTrace();
71                      }
72                  }
73          }
74
75          int k,l;
76          String s[] = new String[100];
77          int cnt = 0;
78          for(k=0;k<i;k++){
79              for(l=0;l<j;l++){
80                  if(b[k].is_eligible(g[l].expense,g[l].attar) &&
g[l].is_eligible(b[k].budget) && g[l].status.equals("Single")  &&
b[k].status.equals("Single") ){
81                      b[k].girlf = g[l].name;
82                      g[l].boyf = b[k].name;
83                      b[k].status = "Is_Committed";
84                      g[l].status = "Is_Committed";
85                      if(b[k].status.equals("Is_Committed")){
86                      s[cnt] = "Boy: "+ b[k].name +" is committed with
"+"Girl: "+ b[k].girlf  ;
87                      }
88
89                      cnt++;
90
91                  }
92
93              }
94          }
96          MyLogger.logger(s,cnt);
97      }
```

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

4 **q1.java**

File Documentation

Boys.java File Reference

Classes

class **Boys**

*class **Boys***

csv_gen.java File Reference

Classes

class **csv_gen**

csv_gen class

Girls.java File Reference

Classes

class **Girls**

Girls *class.*

MyLogger.java File Reference

Classes

class **MyLogger**

MyLogger *class.*

q1.java File Reference

Classes

class **q1**