

# Question\_1

## API Documentation

February 27, 2017

## Contents

<b>Contents</b>	<b>1</b>
<b>1 Module boy</b>	<b>2</b>
1.1 Variables . . . . .	2
1.2 Class boy . . . . .	2
1.2.1 Methods . . . . .	2
<b>2 Module driver</b>	<b>3</b>
2.1 Variables . . . . .	3
<b>3 Module generate</b>	<b>4</b>
3.1 Functions . . . . .	4
3.2 Variables . . . . .	4
<b>4 Module girl</b>	<b>5</b>
4.1 Variables . . . . .	5
4.2 Class girl . . . . .	5
4.2.1 Methods . . . . .	5
<b>5 Module log</b>	<b>6</b>
5.1 Functions . . . . .	6
5.2 Variables . . . . .	6

# 1 Module boy

## 1.1 Variables

Name	Description
<code>__package__</code>	<b>Value:</b> None

## 1.2 Class boy

### 1.2.1 Methods

<code>__init__(self, name, attractiveness, intelligence, gfbudget, minimum_attraction_required)</code>
--

<code>eligibility(self, maintenance_budget, attractiveness)</code>
--

## 2 Module driver

### 2.1 Variables

Name	Description
b	<b>Value:</b> open('boys.csv')
matchboys	<b>Value:</b> csv.reader(b, delimiter= ',')
g	<b>Value:</b> open('girls.csv')
matchgirls	<b>Value:</b> csv.reader(g, delimiter= ',')
BOYSLIST	<b>Value:</b> [boy(line [0], int(line [1]), int(line [2]), int(line [3])...]
GIRLSLIST	<b>Value:</b> [girl(line [0], int(line [1]), int(line [2]), int(line [3])...]
__package__	<b>Value:</b> None
line	<b>Value:</b> ['GIRL19', '17', '19', '16']

## 3 Module generate

### 3.1 Functions

<code>utility()</code>
------------------------

<code>generate(<i>file</i>, <i>data</i>)</code>
---

### 3.2 Variables

Name	Description
<code>__package__</code>	<b>Value:</b> None

## 4 Module girl

### 4.1 Variables

Name	Description
<code>__package__</code>	<b>Value:</b> None

### 4.2 Class girl

#### 4.2.1 Methods

<code>__init__(self, name, attractiveness, intelligence, maintenance_budget)</code>
---

<code>eligibility(self, budget)</code>
--

## 5 Module log

### 5.1 Functions

<code>log(<i>write</i>)</code>
--------------------------------

### 5.2 Variables

Name	Description
<code>__package__</code>	<b>Value:</b> None

## Index

- boy (*module*), 2
  - boy.boy (*class*), 2
    - boy.boy.\_\_init\_\_ (*method*), 2
    - boy.boy.eligibility (*method*), 2
- driver (*module*), 3
- generate (*module*), 4
  - generate.generate (*function*), 4
  - generate.utility (*function*), 4
- girl (*module*), 5
  - girl.girl (*class*), 5
    - girl.girl.\_\_init\_\_ (*method*), 5
    - girl.girl.eligibility (*method*), 5
- log (*module*), 6
  - log.log (*function*), 6