

Comp 1202 wh5
26 Oct 2015

Icd Gibbs
for
Charlton Rodda

Environments: The Java Library

(marking side track: 0 - 39% fail
40 - 49% third / pass
some correct but flawed
50 - 59% 2/2 satisfactory
60 - 69% 2/1 good, professional
70 - 79% first
80 - 89% professionally - one of
the best in ECS
90 - 100% one of best in UCC this
year.

Labs marks: 0 - 5

- 0 - part not attempted
- 1 - some code, class shells,
no significant steps, may not
compile.
- 2 - showing promise but buggy or
incomplete
- 3 - functional but not meeting spec
or poor style
- 4 - complete + correctly meets
spec, room for improvement. First
- 5 - 100% - flawless, exceptional

Arrays vs ArrayList

ArrayList can grow + shrink cat AList

Generics

A mechanism to specify the type allowed
(cats / dogs etc.).

ArrayList <Dog> kennel = - -

The Java Library

full of useful classes, but also complexity.
encapsulation .

Library must be imported using an import statement. There is little extra overhead (except for compiler) to import entire package.

Library included in Java runtime + dev environments

docs online <http://docs.oracle.com/javase/8/docs/api/>

example:

Strings are objects. Classes begin with caps and so does String. (No need to import these, or main)

Identity vs Equality

identity looks at reference rather than value.

name1 == name2 is false ~~equally~~ identity if
2 have same name but different places
see slides about 'Harry'

comp 1202
26 Oct 2015

Jed Gibbs

Ex 2 Hashmaps

map a key to a value, like a simple phonebook

```
book.put ("Alfie");  
book.get ("Alfie");
```

```
import java.util.HashMap
```