

*CS2200 Software Development*  
**Sample Examination 2008**  
Time: 3 Hours

Answers all questions  
Total = 80 marks

**Q1.** (Total of 20 marks for this question; each part is worth one mark unless stated)

(i) What is the value of  $x$ ?

```
int x = 8 / 3;
```

(ii) Examine the following section of code:

```
int area;  
String name;
```

How many objects have been created?

(iii) What will be the result of running this code:

```
if ("String".toString() == "String")  
    System.out.println("Equal");  
else  
    System.out.println("Not Equal");
```

(iv) What, if anything, is wrong with the class below?

```
public Vehicle {  
    private String colour;  
    public Vehicle(String col) {colour = col; }  
    public String getColour() { return colour; }  
}
```

(v) (2 marks) What's the difference between an Applet and an application?

(vi) (2 marks) Create an interface called Bankable that includes two methods: deposit and withdraw. The deposit methods should take a parameter of type Object and the withdraw method should return an Object.

(vii) Can an interface ever contain method bodies?

(viii) (2 marks) Explain the concept of encapsulation?

(ix) (2 marks) For a class Account, given below, what would be the resulting display after running the following code fragment?

# Class X Question Papers Practice Test Exam Sample

**D Kirk**



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