

# CS 249: Assignment 1

## Intro to Java and Elementary Programming

### Answers for Theory Questions

1. (2%) What is true about bytecode?  
(b) It is largely interpreted by the Java Virtual Machine
2. (2%) Which defines the syntax of the Java language?  
(b) Java language specification
3. (2%) Write the code for an empty main() method in Java.  

```
public class Main {  
    public static void main(String[] args) {  
    }  
}
```
4. (2%) Given the following code, what kind of (implicit) type casting is this an example of?  
(b) Narrowing a type  

```
double x = 5.0; int y = x;
```
5. (2%) Will the above code give you an error? If so, write the correct version of the code.  

```
int y = (int) (x);
```
6. (2%) In Java, write a constant of type int, with the name "SECRET\_CODE" and value "1234".  

```
final int SECRET_CODE = 1234;
```

