Quiz 1

- Wednesday, Oct 15
- About 30 minutes
- Covers the following material
  - Class lecture up through today
  - Chapters 1, 2, and sections 3.1 to 3.4.3
  - Programming assignment 1
  - Labs 1 and 2

Quiz 1 – Q1

What gets printed by the following program fragment?

```java
int a = 5;
int b = 7;
a = b++;
System.out.println("a = " + a);
System.out.println("b = " + b);
```

Quiz 1 – Q2

2) In Java, what is the value of the following expression?

```java
3 + 5 * 7 / 2;
```
Quiz 1 – Q3
Use if-else statements in the following program to display a message. If the temperature is less than or equal to 32, print "Solid". If the temperature is greater than or equal to 212, print "Gas". Otherwise, print "Liquid".

```java
import tio.*;
class Temperature {
    public static void main(String[] args) {
        int temperature = Console.in.readInt();
        if (temperature <= 32) {
            System.out.println("Solid");
        } else if (temperature >= 212) {
            System.out.println("Gas");
        } else {
            System.out.println("Liquid");
        }
    }
}
```

Quiz 1 – Q4
The Java program files that you create with an editor are called __________ files.

A) bytecode  
B) source  
C) executable  
D) main  
E) binary

Quiz 1 – Q5
Which of the following are valid Java identifiers?

A) anInteger  
B) integer  
C) int  
D) x-ray  
E) main  
F) someething  
G) someel  
H) some$thing  
I) $4
Quiz 1 – Q6
Which of the following Java identifiers follow the Java naming convention?
A) studentGrade
B) circumference
C) square_root
D) HelpSystem
E) calculateResult
F) getstudent
G) decBlk

Quiz 1 – Q7
According to the “Kindergarten” paper, what does “flushing” have to do with pair programming?

Q8) In this program, use the answers below to identify the given items

// HelloWorld2.java
class HelloWorld2 {
    public static void main( String[] args ) {
        String word1;
        String word2, sentence;
        word1 = "Hello, ";
        word2 = "world!";
        sentence = word1.concat(word2);
        System.out.println(sentence);
    }
}

A. identifier B. variable C. literal D. type
E. primitive type F. keyword G. comment
Quiz 1 – Q9
What gets printed by the following statement?
```java
System.out.println("She said,
"Eat your dinner\"\n");
```

Quiz 1 – Q10
If a = false, b = true, c = 10 and d = 20, what are the values of these expressions?

- !a || b =
- !(a || b) =
- (c < d) && b =
- (c == 10) =

Quiz 1 – Q11
What is printed by the following program fragment?
```java
int a = 3;
int b = 2;

if ( a == 1 )
    if ( b == 2 )
        System.out.println("b is 2");
    else
        System.out.println("a is not 1");
System.out.println("a = " + a);
```
Quiz 1 – Q12

What is printed by the following program fragment? Be careful!

```java
int x = 5;
int y = 6;
if (x < y);
    System.out.println(x + " is smaller");
if (y < x);
    System.out.println(y + " is smaller");
```