Lec 1

Introductions, Overview, Review
Participation: 5%
Sections: 10%
Homeworks (5): 6%, 7%, 8%, 11%, 13%
Final Project: 15%
Quizzes (2): 5%
Midterm: 10%
Final: 10%
Where to get help

• Office hours:
  • MW 10 – 12. CSE 2116
• Piazza
• Your section
• Discussions
• CSE B260
Course Integrity
Course Emphasis

• Independence
• Documentation
• Clarity
What does the following code print?

```java
int remzisAge = 19;
int rominAsAge = 25;
remzisAge = rominAsAge;
rominAsAge = 20;
print( "Remzi is " + remzisAge + " and Romina is " + rominAsAge )
```

A. Remzi is 19 and Romina is 25
B. Remzi is 20 and Romina is 20
C. Remzi is 25 and Romina is 20
D. Remzi is 25 and Romina is 25
E. Remzi is 19 and Romina is 20
What does the following code print?

```java
int first = 11;
if ( first < 10 || first > 10 ) {
    first = 5;
} else {
    first = 20;
}
System.out.println( "First is " + first );
```

A. First is 11
B. First is 5
C. First is 20
What does the following code print?

```java
int first = 11;
if ( first < 10 || first > 10 ) {
    first = 5;
}
first = 20;
System.out.println("First is " + first);
```

A. First is 11
B. First is 5
C. First is 20
Which of the following expressions is the same as:
\[ \text{first} < 10 \quad \text{||} \quad \text{first} > 10 \]

A. \( \text{first} \neq 10 \)
B. \( \text{first} == 10 \)
C. \( \text{first} \geq 10 \quad \text{||} \quad \text{first} \leq 10 \)
D. \( \text{first} < 10 \quad \text{&&} \quad \text{first} < 10 \)
E. None of these
Consider the following code:

```java
int value = 0;
Pixel[] pixArray = this.getPixels();
int index = 0;
Pixel p1 = pixArray[0];
value = p1.getRed();
```

What are the types of: `pixArray`, `p1`, `value`?

A. Pixel, Pixel, int
B. Pixel array, Pixel, int
C. Pixel array, Pixel, double
D. Pixel, double, int
What does the following code print?

```java
for (int foo = 0; foo < 2; foo++){
    for (int bar = 0; bar < 3; bar++){
        System.out.println( foo + " " + bar);
    }
}
```

A. 0 0
   0 1
   1 0
   1 1
   2 0
   2 1

B. 0 0
   1 0
   1 1
   2 1

C. 0 0
   0 1
   1 0
   1 2

D. 0 0
   1 1
   2 2
A Point class

public class Point{
    private double x;
    private double y;

    public Point(double x_in, double y_in){
        this.x = x_in;
        this.y = y_in;
    }

    public static void main( String[] args ){
        double d = 42.0;
        Point p;
        p = new Point(d, 42.0);

        Point q = new Point(p.x, 42);
    }
}

What are the names of the member variables in the Point class?
A. x, y
B. x_in, y_in
C. x, y, x_in, y_in
D. d, p, q
E. None of the above are correct
public class Point{
    public double x;
    public double y;

    public Point(double x_in, double y_in){
        this.x = x_in;
        this.y = y_in;
    }

    public static void main( String[] args ){
        double d = 42.0;
        Point p;
        p = new Point(d, 42.0);

        Point q = new Point(p.x, 42)
    }
}

Draw a picture of the memory model at the end of main (vote on next slide)
What does the following code print?

```java
public static void silly( int a, int b ) {
    a = b + 1;
    b = a/2;
    System.out.println( a + ", " + b);
}

// in main
int a = 67;
int b = 13;
silly( b, a );
```

A. 67, 13  
B. 68, 34  
C. 14, 7  
D. 8, 7  
E. Something else
Tonight, on course website - [http://cseweb.ucsd.edu/~ajundt/](http://cseweb.ucsd.edu/~ajundt/)

- Join Piazza
- Select your tutor

For Wednesday’s class
- Register and bring clicker