Where should a method be defined?

- Where ever it is necessary to have the method
- In a class for which the method makes sense.



Within the main method

Which answer is a correct and easy way to make a turtle turn to the right? (lets assume we have created an object of the turtle class called turtle1).

- turtle1.turn(270);
- turtle1.turnRight();
- turnRight():
- turtle1.turnRight(90);

What does the variable boo hold after the following lines of code are executed?

```
boolean boo;
boo = true;
boolean boo2 = false;
boo = boo == boo2;
```

- 1 true
- oboo2
- false
- booboo2

What is the following line of code considered?

int num;

- variable declaration and initialization
- neither variable declaration nor initialization
- variable initialization
- variable declaration

Which print statement prints the following:

It is the year 2009!

- System.out.println("It is the year " + 2000 + 9 + "!");
- System.out.println("It is the year " + (2000 + 9) + "!");
- System.out.println("It is the year " 2009!);
- System.out.println("It is the year" + 2009 +"!");

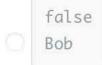
# What would the following code print?

```
String name = "Bob";
String name2 = "Sally";
System.out.println(name == name2);
name = name2;
System.out.println(name);
```











What is stored in the variable num after the following line of code is executed?

int num = 100;

The address in memory where 100 is stored

100

new int(100)

100"

## Why does the method

drawSquare()

#### use the command:

this.forward(30);

#### rather than

turtle1.forward(30);

## or (like we did in class)

jose.forward(30);

- I don't know, this seems wrong.
- "this" refers to any object in Java, so it's the right thing to use
- turtle1 is a bad Java variable name, that's why they used this

.

"this" is the term used to refer to the reference object passed implicitly when a method is called

Which is a correct way to get the name of a class?

System.out.println(world1.Class());

System.out.println(world1.getTheClassName());

System.out.println(world1.getClass());

### The best description of an argument is

- The stuff that comes in the () after the method name
- The name that appears after the dot and before the ()

A single value that is "passed" to a method to give the method information it needs to do it's job

•

One or more values that are "passed" to a method to give the methods information it needs to do its job

The reference object that appears before the dot when a method is called

ed

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1/1 pts

# Question 1

```
public class FirstTurtleDemo {
    public static void main(String[] args) {
        World world1 = new World(200,300);
    B Turtle maria = new Turtle(100, 50, world1);
        maria.forward(25);
    c maria.forward(-50);
        p maria.turnRight;
        E maria.backward(50);
}

On which line is the compile error?
        A. There is no error
```

OA

B

0 C

○ E

• D

```
int x = 3;
int y = x;
System.out.println(y == 3);
x = 4;
System.out.println(y == 3);
```

What is the output of this code?

false

true

true

false

true

• true

false

false

What is the value stored	in second after	the code is a	executed?
VVII at 13 tile value 3tolea	III JUCUITA di LUI	tile code is	caccatca.

int anInteger = 5; int second; second = 10; anInteger = second; second = second + 4; error 9 0 4 0 10 14

Where in the World does the Turtle object maria references to after execution?

```
Turtle maria = new Turtle(25, 25, world1);
Turtle jose = new Turtle(100, 50, world1);
maria = jose;
jose = new Turtle(50, 150, world1);
jose.forward(25);
```

somewhere else

0 100,25

50,125

100,50

25,25

Which class includes the code that runs when you call forward method on jose?

Turtle jose = new Turtle(100,50, world);

jose.forward(100);

- Turtle
- TurtleMovement
- jose

In the method header below, which keyword is the **return type**?

public void drawRectangle(int h, int w)

void

- void. You selected this answer. This was the correct answer.
- public
- o int
- int h, int w

ect!

#### What does the code snippet below do?

```
World world1 = new World(200,100);
Turtle maria = new Turtle(75, 75, world1);
int distLimit = 15;
int totalDist = 0;
int value = 10;
while (totalDist < distLimit)
{
   maria.forward(value);
   totalDist = totalDist + value;
   value = value+2;
}</pre>
```

- Creates 1 turtle and moves it forward 22 units
- Creates 1 turtle and moves it forward 12 units
- Creates 1 turtle and moves it forward 20 units
- Creates 1 turtle and moves it forward 36 units

If I wanted a random integer between 0 and 10 (including 10), which line of code would I write below in the space marked "??"?

Random generator = new Random();

int value1 = ??

System.out.println(value1);

(Hint: this question is slightly modified from the one in the podcast! Be careful with the range.)

- generator.nextInt(10);
- generator.nextInt(11);
- generator.nextDouble(11);
- generator.nextDouble(10);

rect!