**CS108L Computer Science for All**

**Module 2 Do Now Questions**

1. Question: In this procedure the programmer intended to clear all the turtles and patches and make a new turtle of size 3 with the pen down, but it doesn’t work as intended. What is wrong?

to setup
 create-turtles 1
 [
 set size 3
 pen-down
 ]
 clear-all
 end

1. “clear-all” should be before the line “set size 3”;
2. “clear-all” should be after the line “end”;
3. “clear-all” should be after the line “to setup” and before “create-turtles”;
4. no errors are present
5. Question: After performing this procedure, what is the turtle’s *heading* if it started at (0,0) with heading 0?

to move-it

 forward 4

 right 90

 forward 3

 set heading 270

 forward 4

 left 90

end

1. 0 degrees;
2. 90 degrees;
3. 180 degrees;
4. (3, 8)
5. Question: After performing this procedure, what is the turtle’s *position* if it started at (0,0) with heading 0?

to move-it

 forward 4

 right 90

 forward 3

 set heading 270

 forward 4

 left 90

end

1. (4, 8);
2. (-1, 4);
3. 90 degrees;
4. (1, 4)
5. Question: If two turtles start out at position (0, 0) with opposite headings (turtle one with heading 0 and turtle two with heading 180), what will be the relationship between the two turtles after performing this procedure?

to move-it

 right 180

 forward 20

 left 90

 forward 30

 back 35

end

1. The turtles will have the same heading;
2. The turtles will end up in the same location;
3. The turtles will be facing one another;
4. None of the above
5. Question: After performing this procedure, where is the turtle positioned?

to move-it

 setxy 180 90

 forward 20

 right 90

 set heading 180

 setxy 14 35

 forward 10

end

1. Depends on what the turtle’s initial heading was;
2. 180 degrees;
3. (14, 25);
4. (-14, 25)