

Name: _____ Date: _____

Computer Science Level 1 - Python Course

Unit 5 - Lesson 2: Using Comparison Operators Quiz

1. Which of the following best describes a comparison operator?

- a. An operator that turns the Drivetrain for a specific angle.
 - b. A command that compares the color of a disk with the number of disks collected.
 - c. A control statement that uses Boolean statements as conditions.
 - d. An operator that compares two operands.
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2. Which operator reports if the first value is larger than the second value?

- a. Less than (<) operator
 - b. Greater than (>)operator
 - c. **Or** operator
 - d. **And** operator
-

3. Which operator reports if the first value is less than the second value?

- a. Less than (<) operator
 - b. Greater than (>)operator
 - c. **Or** operator
 - d. **And** operator
-

```
while distance.get_distance(MM) > 50:
```

4. What value(s) will the greater than (>) operator report inside this *while* loop?

- a. The distance to the nearest object.
 - b. A True or False value.
 - c. The total time needed to run the project.
 - d. The total time the VR Robot has until it reaches an object.
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```
def main():  
    while front_distance.get_distance(MM) > 50:  
        drivetrain.drive(FORWARD)  
        wait(5, MSEC)  
    drivetrain.turn_for(LEFT, 90, DEGREES)
```

5. How will the VR Robot move based on this code snippet?

- a. The VR Robot will drive forward while the Distance Sensor is greater than 50 millimeters (mm) away from the wall. Once the Distance Sensor reports a distance that is NOT greater than 50 millimeters, the VR Robot will turn left.
 - b. The VR Robot will drive forward for 50 millimeters (mm). Then the VR Robot will turn left.
 - c. The VR Robot will drive forward while the Distance Sensor is less than 50 millimeters (mm) away from the wall. Once the Distance Sensor reports a distance that is greater than 50 millimeters, the VR Robot will turn right.
 - d. The VR Robot will turn left. Then, while the Distance Sensor is greater than 50 millimeters (mm) away from the wall, the VR Robot will drive forward.
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