

Post-Study Survey

This is a test for evaluating your understanding on programming after a short tutorial, either in LOGO or PiE-LOGO. We will only use it for this user study and later research purpose. Please answer every question honestly and patiently. Thank you!

1. How do you feel about PiE-LOGO? (Not applied for those use LOGO)

- A. Quite easy but I cannot learn anything
- B. Quite easy and I can learn a lot
- C. Not that easy but I can learn something
- D. Quite difficult but I can learn something
- E. Quite difficult and I can learn nothing
- F. I'm not sure

2. How do you feel about LOGO? (Not applied for those use PiE-LOGO)

- A. Quite easy but I cannot learn anything
- B. Quite easy and I can learn a lot
- C. Not that easy but I can learn something
- D. Quite difficult but I can learn something
- E. Quite difficult and I can learn nothing
- F. I'm not sure

3. The turtle cannot move a few steps in one move:

- A. To the front
- B. To the back
- C. To the left
- D. To the right
- E. To front-right
- F. I'm not sure

4. Can we call a function inside a loop?

- A. Yes, I am sure.
- B. Yes, I am not very sure.
- C. No, I am sure.
- D. No, I am not sure.

5. Which of the following attributes cannot be modified:

- A. Bolder or lighter
- B. The color of the pen
- C. The transparency of the pen
- D. The length of the pen
- E. The grey value of the pen
- F. I'm not sure

6. If in a function, some commands are repeated for 3 times in a loop, when we call the function, how many times will the loop be repeated?

- A. 3
- B. 9
- C. 6
- D. 2
- E. 1
- F. I'm not sure

6. In a 3 time repeated loop, there is a function followed by another loop , when we execute the commands, how many times will the inside loop be repeated?

- A. 3
- B. 9
- C. 6
- D. 2
- E. I'm not sure

7. In this program, what happend?

```
clear the screen
Repeat the following for 4 times:
  Go forward 150 steps
  turn right
end the repeat
```

- A. A square is drawn
- B. A rectangle is drawn
- C. A star is drawn
- D. A diamond is drawn
- E. I'm not sure

8. In this program, what happend?

```
clear  
repeat 4 [  
  fd 150  
  right 90  
]
```

- A. A square is drawn
- B. A rectangle is drawn
- C. A star is drawn
- D. A diamond is drawn
- E. I'm not sure

9. Read these commands: (Apply to PiE-LOGO)

```
Define a function called square  
  Repeat the following commands for 4 times  
    Go forward 100 Steps  
    Turn left 90 degrees  
  End the Repeat  
End the function
```

```
Do the following for 12 times:  
  call the function square  
  turn left 30 degrees  
end the repeat
```

What happend?

- A. A square is drawn 12 times
- B. The repeat pattern will be like a wheel
- C. The side length of the square is 100
- D. I am not sure

10. Followed 9, if I have a function named RandomColor which will randomly choose a color for the pen, where should I call the function if I want the color changed in every pattern? What if I want to change in every square?

11. Read these commands: (Apply to LOGO)

```
TO square
  REPEAT 4[
    FD 100
    LT 90
  ]
END
```

```
REPEAT 12 [
  SQUARE
  LT 30
]
```

What happend?

- A. A square is drawn 12 times
- B. The repeat pattern will be like a wheel
- C. The side length of the square is 100
- D. I am not sure

12. Followed 11, if I have a function named RandomColor which will randomly choose a color for the pen, where should I call the function if I want the color changed in every pattern? What if I want to change in every square?