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. I'm not sure

6. In a loop, there is a function followed by another loop
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?