SEMINAR: What is a Program?

What will this mystery program "teach" the RACER ROBOT to draw? *(Symbol, Word, or Shape?)* Let's read it line by line.

1.	**Clear**
2.	Rpt 5
3.	[Fd 10
4.	Rt 132
5.	Fd 10
6.	Lt 60]
7.	**Go**



Let's enter it into a Racer Robot and see what it draws: →

FINAL QUESTION: So, what *is* a program?

Notes:

Start Over	Command	Number How many?/How far?	Do It!
Clear	*Fd*	*2*	*GO*
Clear	↑	2	GO

Programing Lesson #1: Word Order

Racer will only understands instructions given in this order.

"Racer" Robot's Language Rules

- Word Order: Command first, then number (or hear **Syntax Error Message**)
- Complete Instruction = Command + Number (How Many/How Far?)

Measurements:

- Unit for Length? _____
- Unit for Turns? _____

Programmer's Tools:

- Ruler; Tape Measure; Protractor; Drawing Board; Multi-color Pens (leave traces); Trial-&-Error (Try , then Learn from Errors: aka Scientific Method)