SPIN & WIN

- Start With a Template
  - Propeller Tool 2.x Provides for Separate P1 and P2 Templates
- Outline the Program with Empty Methods
- Develop and Test Each Method Independently
- Keep Your Code Neat and Tidy
- Document as You Go
- Test, Test, and Test Again Before Release

STYLE MATTERS

- Spin keywords in lowercase
- Constants in UPPERCASE
  - User Underscore to Separate Words (e.g., MAX_FLOW)
- Variables in lowercase or camelCase
  - JM Exception: p_ Prefix for Pointers (address of an object)
- Predefined Values (DAT section) in PascalCase
  - JM Exception: s_ Prefix for Strings (byte array with terminating 0)
- Block Indenting: 2 Spaces
- Set Smart Tabs by Section

MORE STYLE MATTERS

- Well-Named Constants and Variables Make Code Easier to Read
  - Remember: Programming is a Team Sport
- Don't Clever Yourself Into Confusion
- Strive for Clarity Without Going Overboard (Like This)

```
PAYLOAD_COMMAND___RX_FILE___OPERATION___DO_NOTHING = 0
PAYLOAD_COMMAND___RX_FILE___OPERATION___PLAY_WAVE_FILE = 1
PAYLOAD_COMMAND___RX_FILE___OPERATION___LOAD_BINARY_FILE_INTO_EEPROM = 2
PAYLOAD_COMMAND___RX_FILE___OPERATION___LOAD_BINARY_FILE_INTO_EEPROM_AND_RESTART = 3
PAYLOAD_COMMAND___RX_FILE___OPERATION___DO_NOTHING_BUT_REBOOT = 4
PAYLOAD_COMMAND___RX_FILE___OPERATION___PROCESS_PACK_FILE = 5
```

JONNYMAC'S SPIN CODE STRUCTURE

- Header
- Timing (CON)
- IO Pins (CON)
- General Application Constants (CON)
- Objects (OBJ)
- Global Variables (VAR)
- Predefined Values (DAT)
- Code (PUB and PRI)