Michael Dobachesky
SE114.11
Program 9
Main: 0 Level

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Program 9
Setup: 1 Level

```
           ( Start )
              |
   / Define moving violation fine /
              |
   / Define non-moving violation fine /
              |
   / Define penalty amount /
              |
   / Define no penalty amount /
              |
   / Define penalty turn on number /
              |
   / Set total tickets to zero /
              |
   / Set total moving to zero /
              |
   / Set non-moving to zero /
              |
   / Set total fines to zero /
              |
   / Set total penalties to zero /
              |
   / Set total amount to zero /
              |
          ( Return )
```

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Program 9
Input: 1 Level

```
                    ( Start )
                        |
                        v
              / Prompt for      /
             /  last name      /
                        |
                        v
              / Get last        /
             /  name           /
                        |
                        v
              / Prompt for      /
             /  first name     /
                        |
                        v
              / Get first       /
             /  name           /
                        |
                        v
              / Prompt for      /
             /  M or N         /
                        |
                        v
              / Get reply       /
                        |
                        v
                   < M/N? > ---- N ----> / Error    /
                        |                      |
                        | Y                    v
                        |                / Remind   /
                        v                      |
              / Prompt for      /               v
             /  number of      /          / Re-Enter /
             /  citations      /               |
                        |                      |
                        v                      |
              / Get number      /              |
             /  of citations   /               |
                        |
                        v
                  ( Return )
```

Start

Add to total processed

Moving violation?

T → $200 fine → Count moving violation

F → $100 fine → Count non-moving violation

Accumulate total fine

More than three penalties?

T → Add $50

F → Add $0

Calculate total due

Accumulate total penalty

Accumulate total amount assesed

Display record

Return

```
                    ┌───────────────┐
                    │     Start     │
                    └───────┬───────┘
                            │
                            ▼
                   ╱─────────────────╲
                  ╱   Display total    ╲
                 ╱       tickets         ╲
                 ╲      processed        ╱
                  ╲───────────────────╱
                            │
                            ▼
                   ╱─────────────────╲
                  ╱   Display total    ╲
                 ╱       moving         ╲
                 ╲     violations       ╱
                  ╲───────────────────╱
                            │
                            ▼
                   ╱─────────────────╲
                  ╱   Display total    ╲
                 ╱     non-moving       ╲
                 ╲     violations       ╱
                  ╲───────────────────╱
                            │
                            ▼
                   ╱─────────────────╲
                  ╱   Display total    ╲
                 ╲        fines        ╱
                  ╲───────────────────╱
                            │
                            ▼
                   ╱─────────────────╲
                  ╱   Display total    ╲
                 ╲      penalties      ╱
                  ╲───────────────────╱
                            │
                            ▼
                   ╱─────────────────╲
                  ╱   Display total    ╲
                 ╱       amount         ╲
                 ╲      assesed         ╱
                  ╲───────────────────╱
                            │
                            ▼
                    ┌───────────────┐
                    │    Return     │
                    └───────────────┘
```