**CEIS 420 Week 7 Homework**

**Name:**

**Question 1**

What would the following Scheme commands return?

1. (car '(mm dd ee))
2. (eq? ‘G ‘C)
3. (cdr ‘(I love ceis420))

Answer:

1. **mm**
2. **#f**
3. **love ceis420**

**Question 2**

Create a loop in Scheme that will display integers from 1 to 15

Answer:

**(define (fifteen x)**

**(display x)**

**(newline)1**

**(if (< x 15)**

**(fifteen (+ x 1))))**

**Question 3**

Research F#, ML, Scheme, and LISP. Which is the most popular? What industries are using functional programming?

Answer: