## CRITICAL THINKING TASK

Basic Syntax for a for loop.

```
for (initialization statement; condition expression; update expression) {
   body
}
```

Basic Syntax for a while loop.

```
while (condition expression) {
  body
}
```

A while loop is a more versatile loop where the initialization and update statement can be written anywhere throughout the code in the body. It is interesting that every for loop can be a while loop but the other way around is just not possible.

To Change a for loop to a while loop:

## Text Description:

To convert a for loop to a while loop, follow these steps:

- 1. Take the initialization statement of the for loop and place it before the while loop.
- 2. Take the condition expression of the for loop and place it inside the parentheses after the while keyword.
- 3. Take the update expression of the for loop and place it as a separate statement after the body of the while loop.
- 4. Place the body of the for loop inside the curly braces of the while loop.