Activity 3

What is the cyclomatic complexity of the following piece of code?

Source: Schultz, C. (2021) **Cyclomatic Complexity Defined Clearly, With Examples.** LinearB

```
public static string
IntroducePerson(string name, int
age)
{
    var response = $"Hi! My name is
{name} and I'm {age} years old.";

    if (age >= 18)
        response += " I'm an
adult.";

    if (name.Length > 7)
        response += " I have a long
name.";

    return response;
}
```

Answer:

To calculate the cyclomatic complexity of the code above, I made a diagram to be able to count its edges (E), nodes(N), and number of exit points(P). After computing the cyclomatic complexity using McCabe's Formula, the cyclomatic complexity is therefore 3.

edge node exit point

7-6+2(1)=3