Question 1

Using a simple if statement write a simple pseudocode to describe the Euclidean algorithm.

Answer

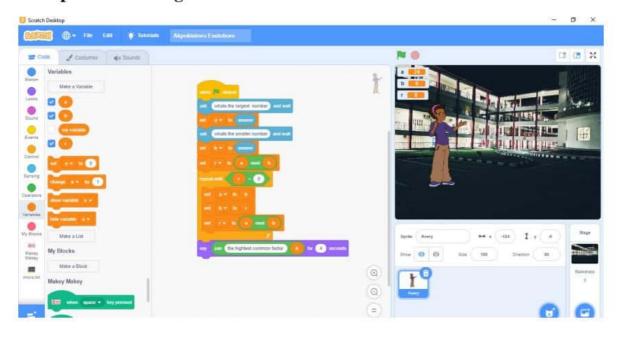
The Euclidean algorithm is away to find the greatest common divisor of two positive integers, a and b. ill demonstrate how to solve for the GCD

```
Find the GCD (54,888) using pseudocode
Begin
Input Integer: 54 and 888;
a = 888, b = 54;
output the GCD, g of a and b
if
a & b, exchange as ("a/b")
Begin
  print Num
     the remainder is declared as r=%d
elseif
 Begin
   print Num
              r>0 then r is to replace the value of "b" and then the value of "a" is
      represented as "b" then perform the first if statement;
else if
  Begin
     print Num
              r=o the operation stops and retrieves the value of "r" as the highest
       common factor
End
```

Question 2

Implement your pseudocode from 1 using scratch programming environment.

First picture showing the code



Step by step representation of the code

