# SOLUTION 2 >

**INITIAL OUTPUT :**

When hyperparameters were

gamma = 0.8 #vary this between 0 and 1 i.e., (0,1)  
alpha = 0.9 #vary this between 0 and 1 inclusive, i.e., [0,1]  
n\_episodes = 5000 #try different values, e.g., 10, 500, 10000 and so forth  
epsilon = 0.05 #you can experiment with this as well

Table

Description automatically generated

**POST-CHANGING HYPERPARAMETERS :**

# hyperparameters

gamma = 0.3 # vary this between 0 and 1 i.e., (0,1)

alpha = 0.6 # vary this between 0 and 1 inclusive, i.e., [0,1]

n\_episodes = 1000 # try different values, e.g., 10, 500, 10000 and so forth

epsilon = 0.02 # you can experiment with this as well

Graphical user interface, text, application

Description automatically generated