Output :

Do you want to play again (Y/N) : Y

Welcome to tic-tac toe !

```
   O  ||  X  ||  X
      ||     ||
 -  -  -  -  -  -  -  -  -
   O  ||  X  ||  O
      ||     ||
 -  -  -  -  -  -  -  -
      ||  X  ||
      ||     ||
```

expt1

Output :

Enter the no. of queens

8

[1, 0, 0, 0, 0, 0, 0, 0]
[0, 0, 0, 0, 1, 0, 0, 0]
[0, 0, 0, 0, 0, 0, 0, 1]
[0, 0, 0, 0, 0, 1, 0, 0]
[0, 0, 1, 0, 0, 0, 0, 0]
[0, 0, 0, 0, 0, 0, 1, 0]
[0, 1, 0, 0, 0, 0, 0, 0]
[0, 0, 0, 1, 0, 0, 0, 0]

Output:

```
0   0   1   0
1   0   0   0
0   0   0
0   1   0   0
```

Output

0   1   3   42

0

['A', 'B', 'O']

Output :

[this code is to be included in a 2 player game]

eg :

welcome to tick Tack toe

```
X |   | 1
- - - - - -
  | X | 0
- - - - - -
0 | 1 | 1
```

This program evaluates the game by using min max algorithm and chooses a winner.

expt6

Output

Socrates is mortal

Output

[' Lion ', ' zebra ', { relation : ' predator ' }]

[' lion ', ' giraffe ', { relation : ' prey ' }]

[' zebra ', ' giraffe ', { relation : ' competes ' }]

[' monkey ', ' lion ', { relation : ' avoids ' }]

Output

Probability of stock prices reaching 25 = 0.134

output:

Welcome to Block world!
Here's the current state of the world
['A', 'B', 'C']

what would you like to do?
>move AC

Great. Here's the new state of the world
['B', 'C', 'A'].

what would you like to do
> add D.

Sure thing! Here's the new state of the
world
['B', 'C', 'A', 'D']

What would you like to do?
>remove B.

okay. Here's the new state of the world
['C', 'A', 'D'].

What would you like to do?
> exit.

Goodbye!

output :

Model parameters :

(θ_1) theta0 = 3.155042

(θ_2) theta1 = 1.477744.

Output :

['The', 'quick', 'brown', 'fox', 'jumps', 'over', 'the',
'lazy', 'dog', ',', 'John', 'smith', 'works', 'at', 'IBM',
'in', 'New', 'York', ',', 'love', 'this', 'movie']

Sentences : ['the quick brown fox jumps over lazy
dog', 'John smith works at IBM in new
york', 'I love this movie']

PDS Tags

['the', 'DET']

['quick', 'ADI']

['brown', 'ADJ']

['lazy', 'ADJ']

['dog', 'NOUN']

output :

['The' 'quick', 'brown', 'fox', 'jumps', 'over',
'the', 'lazy', 'dog'. 'John', 'Smith', 'works'
'at', 'IBM', 'in', 'New', 'York', 'I', 'love',
'this', 'movie'.

sentences: ['The quick brown fox jumps over the
lazy dog', 'John Smith works at
IBM in New York', 'I love this
movie'].

POS Tags

('The', 'DET')
('quick', 'ADJ')
('lazy')
('dog', 'NOUN')

output

Epoch 1/15
422/422 [====] - 31s 72ms/step. - loss: 0.3196 -
accuracy: 0.9054 - val_loss: 0.0715 - val_accuracy

Epoch 2/15
422/422 [====] - 31s 72ms/step - loss: 0.1047 -
accuracy: 0.9054 - val_loss: 0.0507

Epoch 3/15
422/422 [====] - 31s 72ms/step - loss: 0.0769 - accuracy
0.9770 - val_loss: 0.0413

Epoch 4/15
422/422 [====] - 30s 72ms/step - loss: 0.0628 -
accuracy: 0.9802 - val_loss: 0.