



SUPERIOR UNIVERSITY

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Section:BSAI 4A

Subject:Programming for AI

LAB TASK 4

Code:

HOW AND WHY:

This code is for n queen problem it's a puzzle the aim of this puzzle is to place the n queens on a chessboard the size can be different it can be n which can be any input decided by the user, 6, 8 or more in such a way that no queen can attack any other queen in any direction up, down, diagonally etc.

It starts by 1 queen placing it in a row if the spot is safe it goes on to placing the next queen and this goes on until the last queen.

OUTPUT:The output was too long and I couldn't paste the whole of it!

PS C:\Users\eshaa> & C:/Users/eshaa/AppDa

q.....

....q...

.....q

.....q..

..q.....

.....q.

.q.....

...q....

q.....

.....q..

.....q

..q.....

.....q.

...q....

.q.....

....q...

q.....

.....q.

...q....

.....q..

.....q

.q.....

....q...

..q.....

q.....

.....q.

....q...

.....q

.q.....

PROBLEMS

OUTPUT

DEBUG CONSOLE

.....q
.q.....
....q...
..q.....
q.....
.....q.
...q....
.....q..

.....q
..q.....
q.....
.....q..
.q.....
....q...
.....q.
...q....

.....q
...q....
q.....
..q.....
.....q..
.q.....
.....q.
....q...

PS C:\Users\eshaa>