```
Exp. No:1
                100 William compiletion bounds)
Date:
                   8 Queens
                          real [count] brand
def print-board (board):
                      つ園園はいがは、ロハンカー
  for now in board:
      Print (''. join ('Q'if x else'. 'for x in row)
 Print ()
            11/1/11/3
                                    Keliun Tales
def is - safe (board, 2011):
                                       # check column.
   for i in range (row):
      if[(board of it) [colfis " [ solvi)] = hand
           Return (Salsend) ansup - 21/06
                                       #upperleft dia
for i, j in zip (range (row, -1, -1) range (col, -1, -1))
       if board [i][j]:
           retuen false
                                       # upper right dia
for i, j in zip (range (row, -1, -1), range (col, len (board)):
    if board [i][j]:
           Altun false
 Return True
 def solve-queens (board, row):
                                          H-Esult
     if now >= len (board):
    print - board (board).
            reture True.
                                       Balling x3
            du of the verifical.
```

```
for col in range (len (board)):
      if is - safe (board, Now, col):
        board [row] [col] = True
          if solve- queens (board, 10w+1):
(work in x got 1 , 2/3 x +1
          board [row] [col] = false
   return False
      det eight - queens ():
                          was proper in I it
      board = [[False] * 8 for - in range (8)]
         solve -queens (board, 0)
# upper left die
((-, 1-, 10) spras (+, 1-, work) grash) jis iii jil ist
                       Ejitil head ti
H-upperalgulation
for i, j in zig (range (row, -1; -1), is get (so, les (issued))
                             if Itil bond fi
                            Mitwen fores
                                    sust austus
                 : (will solve - guess (board, solv):
 Result:
                      if was the (board):
   Thus the Program was successfully
  executed a the off is verified.
```