quit = 'Q'

choice = ' '

rows = 5

while choice != quit:

  print("Enter 1 for \* pattern : ")

  print("Enter 2 for @ pattern : ")

  print("Enter 3 for # pattern : ")

  print("Enter 4 for ^ pattern : ")

  print("Enter Q for quitting : ")

  choice = input("\nWhat would you like to do?")

  if choice == '1':

    for i in range(0, rows):

       for j in range(0, i + 1):

          print("\*", end=' ')

       print("\r")

  elif choice == '2':

    k = 2 \* rows - 2

    for i in range(0, rows):

       for j in range(0, k):

          print(end=" ")

       k = k - 2

       for j in range(0, i + 1):

           print("@ ", end="")

       print("")

  elif choice == '3':

    for i in range(rows + 1, 0, -1):

       for j in range(0, i - 1):

          print("#", end=' ')

       print(" ")

  elif choice == '4':

    k = 2 \* rows - 2

    for i in range(rows, -1, -1):

        for j in range(k, 0, -1):

            print(end=" ")

        k = k + 1

    for j in range(0, i + 1):

        print("^", end=" ")

        print("")

  elif choice == 'Q':

      print("nThanks for playing. See you later.")

  else :

      print("Enter a valid choice")

***OUTPUT:***





