Computer Science 102 HW01 Brian

1. Do you know my name?

```
My name is Brian.

\begin{pmatrix}
1 & 2 & 3 \\
4 & 5 & 6 \\
7 & 8 & 9
\end{pmatrix}
```

2. Do you know my age?

My age is 21.

## Code Snippet 1

```
# Python program for reversal algorithm of array rotation
# Function to reverse arr[] from index start to end
def rverseArray(arr, start, end):
    while (start < end):
        temp = arr[start]
       arr[start] = arr[end]
       arr[end] = temp
        start += 1
        end = end-1
# Function to left rotate arr[] of size n by d
def leftRotate(arr, d):
   n = len(arr)
   rverseArray(arr, 0, d-1)
    rverseArray(arr, d, n-1)
    rverseArray(arr, 0, n-1)
# Function to print an array
def printArray(arr):
    for i in range(0, len(arr)):
       print (arr[i])
# Driver function to test above functions
arr = [1, 2, 3, 4, 5, 6, 7]
leftRotate(arr, 2) # Rotate array by 2
printArray(arr)
# This code is contributed by Devesh Agrawal
```

## Code Snippet 2

```
# Python program to find N largest
# element from given list of integers
# Function returns N largest elements
def Nmaxelements(list1, N):
    final_list = []

for i in range(0, N):
    max1 = 0
```

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```
for j in range(len(list1)):
    if list1[j] > max1:
        max1 = list1[j];

    list1.remove(max1);
    final_list.append(max1)

print(final_list)

# Driver code
list1 = [2, 6, 41, 85, 0, 3, 7, 6, 10]
N = 2

# Calling the function
Nmaxelements(list1, N)
```