Python

```python
# Program to add two matrices using nested loop

X = [[1,2,3],
     [4 ,5,6],
     [7 ,8,9]]

Y = [[9,8,7],
     [6,5,4],
     [3,2,1]]


result = [[0,0,0],
          [0,0,0],
          [0,0,0]]

# iterate through rows
for i in range(len(X)):
# iterate through columns
    for j in range(len(X[0])):
        result[i][j] = X[i][j] + Y[i][j]

for r in result:
    print(r)
```

appended to a new list called res. The final output is the list res containing the Kth column of the matrix.

Python3

```
test_list = [[4, 5, 6], [8, 1, 10], [7, 12, 5]]

K = 2

res = []

for i in range(len(test_list)):
    res.append(test_list[i][K])

print("The Kth column of matrix is : " + str(res))
```

Output

```
The Kth column of matrix is : [6, 10, 5]
```

Python3

```python
# Python3 code to demonstrate
# matrix creation of n * n
# using nested for loops

# initializing N
N = 4

# printing dimension
print("The dimension : " + str(N))

# initializing empty matrix
res = []
for i in range(N):
  row = []
  for j in range(N):
    row.append(1 + N * i + j)
  res.append(row)

# print result
print("The created matrix of N * N: " + str(res))
#This code is contributed by Jyothi pinjala.
```

Python Program to Check if a String is Palindrome or Not Using Native Approach

Here we will find reverse of the string and then Check if reverse and original are same or not.

Python

```python
# function which return reverse of a string

def isPalindrome(s):
    return s == s[::-1]


# Driver code
s = "malayalam"
ans = isPalindrome(s)

if ans:
    print("Yes")
else:
    print("No")
```

Python | Check if a Substring is Present in a Given String

Striver



In this article, we will cover how to check if a Python string contains another string or a substring in Python. Given two strings, check if a substring is there in the given string or not.

```
Example 1: Input : Substring = "geeks"
           String="geeks for geeks"
Output : yes
Example 2: Input : Substring = "geek"
           String="geeks for geeks"
Output : yes
```

Method 1: Check substring using the if... in.

Python3

```
# Take input from users
MyString1 = "A geek in need is a geek indeed"

if "need" in MyString1:
    print("Yes! it is present in the string")
else:
    print("No! it is not present")
```

Output

```
Yes! it is present in the string
```

Python program to print even length words in a string

MuskanChoudhary

Given a string. The task is to print all words with even length in the given string.

Examples:

```
Input: s = "This is a python language"
Output: This is python language


Input: s = "i am laxmi"
Output: am
```

Method: Finding even length words using for loop and if statement and without

Method: Finding even length words using for loop and if statement and without using the def function. First split the given string using the split() function and then iterate the words of a string using for loop. Calculate the length of each word using the len() function. If the length is even, then print the word.

Python3

```python
# Python code
# To print even length words in string

#input string
n="This is a python language"
#splitting the words in a given string
s=n.split(" ")
for i in s:
  #checking the length of words
  if len(i)%2==0:
    print(i)

# this code is contributed by gangarajula laxmi
```