

- Q1. Write a Numpy program to get the Numpy version.
- Q2. Write a NumPy program to test whether none of the elements of a given array are zero.
- Q3. Write a NumPy program to create an element-wise comparison (greater, greater_equal, less and less_equal) of two given arrays.
- Q4. Write a NumPy program to create an array with the values 1, 7, 13, 105 and determine the size of the memory occupied by the array.
- Q5. Write a NumPy program to create an array of integers from 30 to 70.
- Q6.** Write a NumPy program to create an array of all even integers from 30 to 70.
- Q7.** Write a NumPy program to create a 3x3 identity matrix.

Write a search NumPy program to create a 3X4 array and iterate over it.

Sample Solution :

Python Code :

```
import numpy as np

a = np.arange(10,22).reshape((3, 4))

print("Original array:")

print(a)

print("Each element of the array is:")

for x in np.nditer(a):
```

```
print(x,end=" ")
```