

Day 47 coding Statement : Write Program to find longest palindrome in an array

Description: Get an array as the input from the user and find the longest palindrome in that array.

Input:

Enter the size of array : 3

Enter the elements of array : 121 10456 1000001

Output:

1000001

CODE:

```
def isPalindrome(num):
    temp = num
    rev = 0
    while num != 0:
        rem = num % 10
        num = num // 10
        rev = (rev*10) + rem
    if rev == temp:
        return temp

arr_size = int(input("Enter size of array : "))
arr = list(map(int, input("Enter elements of array : ").split()))
palindrome = []
for i in arr:
    if isPalindrome(i):
        palindrome.append(i)

for i in range(len(palindrome)):
    for j in range(i, len(palindrome)):
        if palindrome[i] >= palindrome[j]:
            Max = palindrome[i]

print("Longest Palindrome in the Array : ", Max)
#print(max(palindrome))
```

OUTPUT:

```
Day_47 x
C:\Users\Vivek\AppData\Local\Programs\Python\
Enter size of array : 3
Enter elements of array : 121 10456 1000001
Longest Palindrome in the Array : 1000001

Process finished with exit code 0
```