

Exercise No : 3

Date : 12/10/2020

AIM :

To Write a Python program to remove and print every second number from a list of numbers until the list becomes empty.

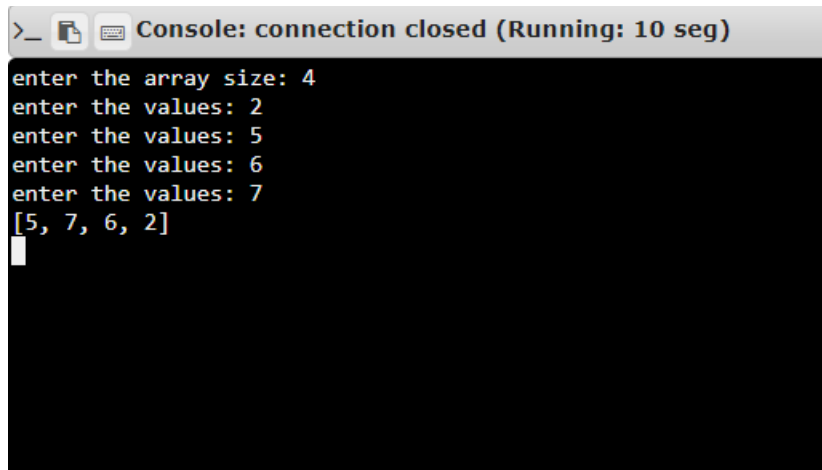
PROGRAM:

```
def every2number(list):  
    temp = []  
    p = 1  
    s = 0  
    for i in range(0,len(list)):  
        s = (p+s) % len(list)  
        el = list.pop(s)  
        temp.append(el)  
    return temp  
n = int(input("enter the array size: "))  
list = []  
for i in range (0,n):  
    list.append(int(input("enter the values: ")))  
p = every2number(list)  
print(p)
```

LINK:

<http://103.53.53.18/mod/vpl/view.php?id=231&userid=1791>

OUTPUT:

A screenshot of a console window with a grey title bar that reads ">_ Console: connection closed (Running: 10 seg)". The console area is black with white text. The text shows a sequence of prompts and user input: "enter the array size: 4", "enter the values: 2", "enter the values: 5", "enter the values: 6", "enter the values: 7", and finally the array "[5, 7, 6, 2]". A white cursor is visible on the line following the array.

```
>_ Console: connection closed (Running: 10 seg)
enter the array size: 4
enter the values: 2
enter the values: 5
enter the values: 6
enter the values: 7
[5, 7, 6, 2]
```

RESULT:

The output has been successfully executed and verified.