

In [1]:

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### Write a program in Python to iterate through the string "hello my name is abcde" and print the
string which has even length of word.
str = ("Hello my name is Chaitali")
print ("string: ", str)
words = list(str.split(' '))
print ("list converted string: ", words)
print ("EVEN length words:")
for W in words:
    if(len(W)%2==0 ):
        print (W)
```

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string: Hello my name is Chaitali
list converted string: ['Hello', 'my', 'name', 'is', 'Chaitali']
EVEN length words:
my
name
is
Chaitali
```

In [6]:

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###Write a program in Python to complete the following task:

###Create two different list as in even_list and odd_list
a=[]
n=int(input("Enter number of elements:"))
for i in range(1,1+n):
    b=int(input("Enter element:"))
    a.append(b)
even=[]
odd=[]
for j in a:
    if(j%2==0):
        even.append(j)
    else:
        odd.append(j)
print("The even list",even)
print("The odd list",odd)

#####Couldn't find answer:-
#####Ask user to enter the number in the range of 1,50 and make sure if the entered number is eve
n append it to the even_list and if the entered number is odd append it to the odd list.

###Keep that in mind you can only add 5 items in each list

###Make sure once you entered the total 5 element calculate the sum of the list and return the max
imum out of the list.
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Enter number of elements:3
Enter element:2
Enter element:1
Enter element:5
The even list [2]
The odd list [1, 5]
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In [3]:

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###Write a program in Python to iterate through the list of numbers in the range of 1,100 and prin
t the number which is divisible by 3 and a multiple of 2.
for i in range(1,100):
    if((i%3==0) & (i%2==0)):
        print(i,end=',')
```

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6,12,18,24,30,36,42,48,54,60,66,72,78,84,90,96,
```

In [4]:

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### Write a program in Python to reverse a string and print only the vowel alphabet if exist in the string with their index.
string='Chaitali Choudhari'
txt=string[::-1]
print(txt)
for i in string:
    if i in 'AEIOUaeiou':
        print(i,end=",")

###couldn't find the indices of the vowels

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irahduohC ilatiahC
a,i,a,i,o,u,a,i,

```

In [9]:

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###Generate and print another tuple whose values are even numbers in the given tuple
(1,2,3,4,5,6,7,8,9,10).
tp=(1,2,3,4,5,6,7,8,9,10)
li=list()
for i in tp:
    if tp[i-1]%2==0:
        li.append(tp[i-1])
tp2=tuple(li)
print(tp2)

```

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(2, 4, 6, 8, 10)

```

In []:

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### Write a program to find out the occurrence of a specific word from an alphanumeric statement.
Example: 12abcbacbaba344ab
### Output: a=5 b=5 c=2 make sure you should avoid the numbers in you logic

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In []:

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###Write a program in python to print the pair of numbers whose sum is equal to result number that is let's say 8.

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In [33]:

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list=[100,200,300,400,500,[1,2,3,4,5,[10,20,30,40,50],6,7,8,9],600,700,800]
print(list)
###Access list [600, 700]
print(list[6:8])
###Access list [100, 300, 500, 600, 800]
print(list[:2])
###Access list [[800, 700, 600, [1, 2, 3, 4, 5, [10, 20, 30, 40, 50], 6, 7, 8, 9], 500, 400, 300, 200, 100]:]
list.reverse()
print('Updated List:', list)
###Access list [10] ====can not access because index of list is 8
###Access list [ ]
###Access list [1, 2, 3, 4, 5] ====i couldn't figure out how to call nested list

```

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[100, 200, 300, 400, 500, [1, 2, 3, 4, 5, [10, 20, 30, 40, 50], 6, 7, 8, 9], 600, 700, 800]
[600, 700]
[100, 300, 500, 600, 800]
Updated List: [800, 700, 600, [1, 2, 3, 4, 5, [10, 20, 30, 40, 50], 6, 7, 8, 9], 500, 400, 300, 200, 100]

```

In []: