```
# Find  outputs  (Home  work)
for  i   in   range(1 , 8):
        print(i)
        if  i % 3  == 0:
                        continue
        else:
                        print('Sec')
        print('Hello')
# End of loop
print('Outside loop')
```

- ➔ Output 1
- ➔ Sec
- ➔ Hello
- ➔ 2
- ➔ Sec
- ➔ Hello
- ➔ 3
- ➔ 4
- ➔ Sec
- ➔ Hello
- ➔ 5
- ➔ Sec
- ➔ Hello
- ➔ 6
- ➔ 7
- ➔ Sec
- ➔ Hello
- ➔ Outside loop

```
# Identify Error  (Home  work)
if ():
        print('Hyd')
        continue   // error
        print('Sec')
```

- ➔ Error

```
# Find outputs (Home  work)
for  i   in   range(1 , 8):
```

```
        print(i)
        if  i % 3 == 0:
                break
        else:
                print('Sec')
        print('Hello')
# End  of  the  loop
print('Outside loop')
```

- ➔ 1
- ➔ Sec
- ➔ Hello
- ➔ 2
- ➔ Sec
- ➔ Hello
- ➔ 3
- ➔ Outside loop

```
# Identify Error  (Home  work)
if(10 , 20 , 30):
        print('Hyd')
        break
        print('Sec')  output→ error due to no looping statement
```

```
# Find  outputs  (Home  work)
for  i  in  range(1 , 8):
        print(i)
        if  i % 3 == 0:
                pass
                print('Hyd')
        else:
                print('Sec')
        print('Hello')
```

- ➔ 1
- ➔ Sec

- ➔ Hello
- ➔ 2
- ➔ Sec
- ➔ Hello
- ➔ 3
- ➔ Hyd
- ➔ Hello
- ➔ 4
- ➔ Sec
- ➔ Hello
- ➔ 5
- ➔ Sec
- ➔ Hello
- ➔ 6
- ➔ Hyd
- ➔ Hello
- ➔ 7
- ➔ Sec
- ➔ Hello
- ➔ Outside loop

```
# End of the loop

print('Outside loop')

# Find outputs (Home work)

for i in range(1 , 8):
        print(i)
        if i % 3 == 0:
                exit()
        else:
                print('Sec')
        print('Hello')
```

- ➔ 1
- ➔ Sec
- ➔ Hello
- ➔ 2
- ➔ Sec
- ➔ Hello
- ➔ 3

```
# End of the loop

print('Outside loop')

# Find outputs (Home work)
```

```
for  i  in  range(1 , 8):
        print(i)
        if   i % 3 == 0:
                continue
        else:
                print('Sec')
        print('Hello')
else:
        print('else  suite')
```

- ➔ 1
- ➔ Sec
- ➔ Hello
- ➔ 2
- ➔ Sec
- ➔ Hello
- ➔ 3
- ➔ 4
- ➔ Sec
- ➔ Hello
- ➔ 5
- ➔ Sec
- ➔ Hello
- ➔ 6
- ➔ 7
- ➔ Sec
- ➔ Hello
- ➔ else suite
- ➔ Outside loop
- ➔

```
# End  of  the  loop
print('Outside  loop')


# Find  outputs  (Home  work)
for  i  in  range(1 , 8):
        print(i)
        if  i % 3 == 0:
                break
```

```
        else:
                print('Sec')
        print('Hello')
else:
        print('else  suite')
#End  of  the  loop
print('Outside  loop')
```

→1

Sec

Hello

2

Sec

Hello

3

Outside loop

```
# Find  outputs  (Home  work)
for  i  in  range(1 , 8):
        print(i)
        if  i == 8:
                break
        else:
                print('Sec')
        print('Hello')
else:
        print('else  suite')
# End  of  the  loop
print('Outside loop')
```

→1

Sec

Hello

2

Sec

Hello

3

4

Sec

Hello

5

Sec

Hello

6

7

Sec

Hello

else suite

Outside loop

'''

Write a program to search for an element in the list without using in operator and print Found or Not Found message (Assume that there are no duplicates)

→ lst = [10, 20, 15, 12, 18]

```
x = 15
found = False
for i in range(len(lst)):
    if lst[i] == x:
        print(f"Found at index {i}")
        found = True
        break

if not found:
    print("Not found")
```

Let list be [10 , 20 , 15 , 12 , 18]

→

lst = [10, 20, 15, 12, 18, 15, 19, 14, 15, 14]

l1= 15

count = 0

```
for i in range(len(lst)):
    if lst[i] == l1:
        print(f"{l1} is found at index {i}")
        count += 1

print(f"{l1} is repeated : {count} times")
```

1) What is the output if 15 is seacrhed ? ---> Found at index 2

2) What is the output if 19 is seacrhed ? ---> Not found

3) What action to be made when 'x' does not match with the current element of list ? --- Compare 'x' with next element of list .

4) What action to be made when 'x' matches with list element ? --->

Print found message along with index and do not search for 'x' in rest of the list .

5) What action to be made when 'x' does not match with all the elements of list ? --->

Print not found message .

6) Hint: Use for loop

"""

Write a program to search for an element in the list and print index of each element

and also number of times it is found (Assume that list may contain duplicate elements)

List : [10 , 20 , 15 , 12 , 18 , 15 , 19 , 14 , 15 , 14]

Search for 15

Outputs : 15 is found at index 2

15 is found at index 5

```
        15 is found at index 8
        15 is found 3 times
'''

# Walrus operator (:=) demo program
print(a := 25)
print(a = 25) // assignment operator doesn't exists
print(a) // error
print(a := 6 + 7)
print(a) : 13
print((a := 6) + 7)
print(a) : 13
print((a = 6) + 7) : not valuid , error
# Find outputs (Home work)
a = 0
if a == 0:
        print('Hyd')
else:
        print('Sec')            // Hyd
if b := 0:
        print('Hyd')
else:
        print('Sec : ' , b)   // Sec : 0
if c = 0:
        print('Hyd')
else:
        print('Sec') // error because c=0 is an invalid , == Is valid
'''
(Home work)
Write a program to determine average of inputs which are terminated with ctrl + z
(without walrus operator)
```

Let inputs be 25 , 10.8 , True , ctrl + z

→ total = 0

count = 0

try:

```
   while True:
      val = input("Enter value: “)
      total =total+ eval(val)
      count =count+ 1
```

except EOFError:

```
   pass
```

print("Average =", total / count)

sum = 0 + 25 + 10.8 + True = 36.8

ctr = 0 + 1 + 1 + 1 = 3

1) What is ctrl + z ? ---> End of inputs i.e. No more inputs

2) What does input() function do when input is ctrl + z ? ---> Throws EOFError

3) How is end of inputs denoted in unix ? ---> ctrl + d

'''

del operator demo program (Home work)

a = 25

print(a) // 25

del a

print(a) // no assignment for a variable

Find outputs (Home work)

a = b = c = 25

print(a , b , c) : 25 25 25

del a

print(b , c) // 25 25 (one 25 is deleted)

print(a) // error

```
del   b
print(c)  //25
print(b) // 25
del   c
print(c  )   // 25
 # Can  multiple  objects  be  deleted  with  same  del  operator ?
a , b , c = 25 , 10.8 , 'Hyd'
print(a , b , c)     //   25   10.8  Hyd
del   a , b , c
print(a)        // error
print(b)       // error
print(c)       //error

# Find outputs  (Home  work)
a = [10 , 20 , 15 , 18]
print(a)      /  /= [10 , 20 , 15 , 18]
del  a[2]
print(a)    // = [10 , 20 ,  18]   // element delted at index position  2
del  a
print(a)    // no definition
print(a[0])

# Find outputs  (Home work)
a =   (10 , 20 , 15 , 18)
print(a)   // (10 , 20 , 15 , 18)
print(a[0])   // 10
del  a[2]
del  a
print(a)
print(a[0])    // error due to for tuple no indexing
```