```python
#
for i in range(1,8):
    print(i)
    if i%3==0:
        pass
        print('Hyd')
    else:
        print('sec')
        print('Hello')
    print('outside loop')
```
⇒
```
1
sec
Hello
2
sec
Hello
3
Hyd
Hello
4
sec
Hello
5
sec
Hello
6
Hyd
Hello
```

```python
# for i in range(1,8):
    print(i)
    if i%3==0:
        continue
    else:
        print('sec')
    print('Hello')
else:
    print('elsesuite')
print('outside loop')
```

```python
# print(a := 25)      —# 25
print(a=25)         # SyntaxError
print(a)            # 25
print(a:= 6+7)      # 13
print(a)            # 13
print((a:= 6)+ 7)   #13
print(a)            #13
print((a= 6)+7)     # SyntaxError.
```

```python
# for i in range(1,8):
    print(i)
    if i%3==0:
        exit()
    else:
        print('sec')
    print('outside loop')
```

```python
# for i in range(1,8):
    print(i)
    if i%3 == 0:
        break
    else:
        print('sec')
    print('Hello')
else:
    print('outside loop')
```
⇓
```
1
sec
Hello
2
sec
Hello
3
Outside loop.
```

```
#
a = 0
if a == 0:
    print('Hyd')          ⇒ Hyd
else:                          Sec
    print('Sec')
If b: = 0:
    print('Hyd')
else:
    print('Sec:;b')
If c = 0:
    print('Hyd')
else:
    print('Sec')
```

```
# a,b,c = 25, 10.8, 'Hyd'
print(a,b,c)          25  10.8  'Hyd'
del a,b,c      ⇒  when deleting a,b,c
print(a)              the a, b, c
print(b)              are not defined
print(c)
a = (10, 20, 15, 1f)
print(a)           — #(10,20,15,1f)
print(a[0])
del a[2]              (10)
del a
print(a)             (10,20,14) Error
print(a[0])           a not defined
```

```
# a = 25
print(a)      ⇒ 25
del a
print(a)
# a = b = c = 25
print(a,b,c)
del a                    25 25 25
print(b,c)   ⇒           25 25
print(a)                 error (not
del b                         defined)
print(c)                   25
print(b)                error (b not
del c                    defined
print(c)                error (c not
                             defined).
# a = [10,20,15,18]
print(a)
del a[2]
print(a)
del a
print(a)
print(a[0])
        ↓↓
a [10,20,15,18]
   [10,20,18]
Error a got deleted
& not defined.
'a' is not defined
```

```
a = [10, 20, 30, 40, 50]
x = int (input ("Enter elements to search":)
found = False
    for item in a:
        if item == x:
            found = True
            break
    if found:
            print ("Found")
    else:
        print ("Not Found")
```

Continue statment :
└→ Move control to next iteration
  └→ Remaining statments of loop.

Break statment
└→ gets out of loop.

4/8/2x

① for i in range (1,8):
    print (i)
    if i%3 == 0 :
       continue   ⟹
    else :
       print ('sec')
       print ('Hello')
print ('outside loop').

1
sec
Hello
2
sec
Hello
3
outside loop.

③ if ():
    print ('Hyd')
    continue
    print ('sec')

⟹ in if
condition
are
missing.

② for i in range (1,8):
    print (i)
    if i == 8:
       break
    else :
       print ('sec')
       print ('Hello')
else :
    print ('else suite')
print ('outside loop')

④ if (10,20,30):
    print ('Hyd')
    break
    print ('sec')

⑤ for i in range (1,8):
    print (i)
    if i%3 == 0:
       break
    else :
       print ('sec')
       print ('Hello')

⬇
1 2 3 4 5   6   7
sec sec sec sec sec sec sec
Hello Hello Hello hello Hello hello hello

7
sec
Hello

else suite
outside loop