Ex5

練習5 - 請圈出下列程式碼的**global scope** (練習堂成績) ¶

```python
height = 1.63 #公尺
weight = 50 #公斤
calculate = weight / (height*height)
if calculate < 18.5:
    result = '過輕'
elif 18.5 < calculate and calculate < 24:
    result = '正常'
else:
    result='過重'
print("result1: ", result)

height = 1.80 #公尺
weight = 88 #公斤
calculate = weight / (height*height)
if calculate < 18.5:
    result = '過輕'
elif 18.5 < calculate and calculate < 24:
    result = '正常'
else:
    result='過重'
print("result2: ", result)
```

Ex6

練習6 - 請圈出下列程式碼的 **local scope** (練習5~7都有寫, 堂成績) ¶

```python
# 公式：體重(公斤) / 身高^2(公尺^2)
# 過輕：BMI < 18.5; 正常：18.5≦ BMI <24; 過重：24≦BMI
def bmi(height, weight):
    calculate = weight / (height*height)
    if calculate < 18.5:
        result = '過輕'
        return result
    elif 18.5 < calculate and calculate < 24:
        result = '正常'
        return result
    else:
        result='過重'
        return result

r = bmi(1.63, 48)
print("result1: ", r) # 正常

def f(x, y):
    if x == 'Hello':
        print('Hello World')
f('Hello', 2)

def g():
    j = 0
    for i in range(10):
        j = j + 1
    return j
```

bmi的

f的

g的

Ex7

練習7 - 請圈出下列程式碼的 **global** 和 **local scope** (練習
練習的課堂成績) ¶

```python
# varargs collecting, one * for tuple
def f1(*args):
    print(args)

f1(1, 2, 3, 4, 5, 6, 8, 'hello')
f1('how', 'do', 'you', 'do')

def f2(x, y, *args):
    print(x,y)
    print(args)

f2(1,2,3,4,5,6,8,'hello')
```