H24111057 統計系 姚博瀚

Problem 1-1

(a) 7.4 (float)

(b) 5.0 (float)

(c) 22.22474487139159 (float)

(d) 11.0 (float)

(e) ZeroDivisionError；原因：1//2 = 0，分數的分母為零。

#詳細執行結果：

(a) 4.0 / 10.0 + 3.5 \* 2

7.4

(b) 10 % 4 + 6 / 2

5.0

(c) (6.5 - 5.0) \*\* (0.5) + 7 \* 3

22.22474487139159

(d) 3 \* 10 / 3 + 10 % 3

11.0

(e) 5 / (1//2)

Traceback (most recent call last):

File "<pyshell#6>", line 1, in <module>

5 / (1//2)

ZeroDivisionError: division by zero

Problem 1-2

(a) 2.0

(b) 2

(c) 2.0

(d) 2.0

#詳細執行結果：

(a) 12 / 6.0

2.0

(b) 21 // 10

2

(c) 25 // 10.0

2.0

(d) 12 / 6

2.0

Problem 1-3

a = 2

b = 5

c = 2

q = b \* b - 4 \* a \* c

q\_sr = q \*\* (1 // 2)

x1 = (-b + q\_sr) / 2 \* a

x2 = (-b - q\_sr) / 2 \* a

print("x1 =, ‘ x1, "x2 =", x2)

應改為以下：

a = 2

b = 5

c = 2

q = b \* b - 4 \* a \* c

q\_sr = q \*\* (1 / 2)

x1 = (-b + q\_sr) / (2 \* a)

x2 = (-b - q\_sr) / (2 \* a)

print("x1 =", x1, "x2 =", x2)

## 紅字為修改的地方