```python
a = 0
b = 0

while b <= 8 :
    b += 1
    a = 1
    while a <= 9 :
        print(f'{a} × {b} = {a*b:<2d}', end = '   ')
        a += 1
        if a == 10:
            break
    print()
```

```
1 × 1 = 1    2 × 1 = 2    3 × 1 = 3    4 × 1 = 4    5 × 1 = 5    6 × 1 = 6    7 × 1 = 7    8 × 1 = 8    9 × 1 = 9
1 × 2 = 2    2 × 2 = 4    3 × 2 = 6    4 × 2 = 8    5 × 2 = 10   6 × 2 = 12   7 × 2 = 14   8 × 2 = 16   9 × 2 = 18
1 × 3 = 3    2 × 3 = 6    3 × 3 = 9    4 × 3 = 12   5 × 3 = 15   6 × 3 = 18   7 × 3 = 21   8 × 3 = 24   9 × 3 = 27
1 × 4 = 4    2 × 4 = 8    3 × 4 = 12   4 × 4 = 16   5 × 4 = 20   6 × 4 = 24   7 × 4 = 28   8 × 4 = 32   9 × 4 = 36
1 × 5 = 5    2 × 5 = 10   3 × 5 = 15   4 × 5 = 20   5 × 5 = 25   6 × 5 = 30   7 × 5 = 35   8 × 5 = 40   9 × 5 = 45
1 × 6 = 6    2 × 6 = 12   3 × 6 = 18   4 × 6 = 24   5 × 6 = 30   6 × 6 = 36   7 × 6 = 42   8 × 6 = 48   9 × 6 = 54
1 × 7 = 7    2 × 7 = 14   3 × 7 = 21   4 × 7 = 28   5 × 7 = 35   6 × 7 = 42   7 × 7 = 49   8 × 7 = 56   9 × 7 = 63
1 × 8 = 8    2 × 8 = 16   3 × 8 = 24   4 × 8 = 32   5 × 8 = 40   6 × 8 = 48   7 × 8 = 56   8 × 8 = 64   9 × 8 = 72
1 × 9 = 9    2 × 9 = 18   3 × 9 = 27   4 × 9 = 36   5 × 9 = 45   6 × 9 = 54   7 × 9 = 63   8 × 9 = 72   9 × 9 = 81
```

```
[8, 4, 2, 7]
請輸入一個四位數，不准重複2314
2314:0A2B
請輸入一個四位數，不准重複9846
9846:0A2B
請輸入一個四位數，不准重複8420
8420:3A0B
請輸入一個四位數，不准重複10293
輸入數字過多，給我重來
請輸入一個四位數，不准重複111
輸入數字過少，給我重來
請輸入一個四位數，不准重複8427
8427:4A0B
終於對了，猜了4次
```