

```
from posixpath import join
i=1
while i<=9:
    j=1
    while j<=9:
        p=i*j
        if p<10:
            print(f"{j} x {i} = {p}",end=' ')
        else:
            print(f"{j} x {i} = {p}",end=' ')
        j+=1
    print()
    i+=1
```

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

```
import random
ans = random.sample(range(1,10),4)
print(ans)
a = b = n = 0
while a!=4:
    a = b = n = 0
    guess = list(input("輸入四個數字(不會重複)"))
    if len(guess) > 4:
```

```
import random
ans = random.sample(range(1,10),4)
print(ans)
a = b = n = 0
while a!=4:
    a = b = n = 0
    guess = list(input("輸入四個數字(不會重複)"))
    if len(guess) > 4:
        guess = list(input("輸入數字過多，請輸入四個數字(不會重複)"))
    else:
        guess = guess
        for i in guess:
            if int(guess[i]) == ans[i]:
                a += 1
            else:
                if int(i) in ans:
                    b += 1
        n += 1
        output = ', '.join(guess.replace("",""))
        print(f"output: {a}&b{b}")
        guess = []
    print("猜對了！總共猜了",n,"次")
```

```
[5, 2, 6, 9]
輸入四個數字(不會重複)1234
1234: 1A0B
輸入四個數字(不會重複)2345
2345: 0A2B
輸入四個數字(不會重複)4567
4567: 1A1B
輸入四個數字(不會重複)7895
7895: 0A2B
輸入四個數字(不會重複)6987
6987: 0A2B
輸入四個數字(不會重複)5974
5974: 1A1B
輸入四個數字(不會重複)5299
5299: 4A0B
猜對了！總共猜了7次
```

<https://github.com/yeh-yan-jane/PLMA/upload/main>