```python
a=0
while a<=8:
    a+=1
    b=0
    while b<=8:
        b+=1
        if (a*b)<=9:
            print(b,"x",a,"=",a*b,end="    ")
        else:
            print(b,"x",a,"=",a*b,end="   ")
    print(' ')
```

```
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
```

```python
import random
a=random.sample(range(1,10),4)
print(f"答案:{a}")
A=B=n=0
m=0
while A!=4 :
    b=(input("輸入四個數字(不會重複):"))
    if len(b)!=4:
        print("輸入數字過多，請輸入四個數字(不會重複)")
    else:
        A=B=n=0
        for i in b:
            if int(b[n])==a[n]:
                A+=1
            else:
                if int(i) in a:
                    B+=1
            n+=1
        m+=1
        print(f"{b}:{A}A{B}B")

print(f"答對了!猜了{m}次")
```

```
答案:[5, 7, 3, 1]
輸入四個數字(不會重複):12345
輸入數字過多，請輸入四個數字(不會重複)
輸入四個數字(不會重複):1452
1452:0A2B
輸入四個數字(不會重複):5726
5726:2A0B
輸入四個數字(不會重複):7526
7526:0A2B
輸入四個數字(不會重複):5731
5731:4A0B
答對了!猜了4次
```