

1.1~1000 素数平均值（保留 2 位小数）

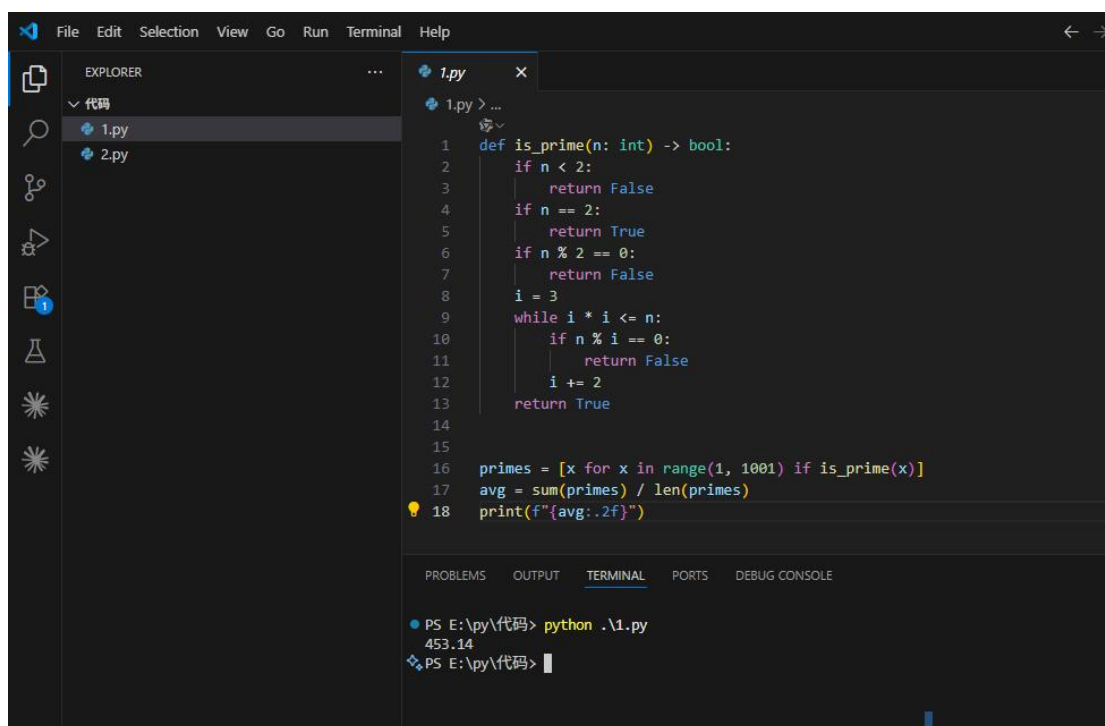
```
def is_prime(n: int) -> bool:
```

```
    if n < 2:
        return False
    if n == 2:
        return True
    if n % 2 == 0:
        return False
    i = 3
    while i * i <= n:
        if n % i == 0:
            return False
        i += 2
    return True
```

```
primes = [x for x in range(1, 1001) if is_prime(x)]
```

```
avg = sum(primes) / len(primes)
```

```
print(f"{avg:.2f}")
```



```
File Edit Selection View Go Run Terminal Help
EXPLORER
  代码
  1.py
  2.py
1.py
1 def is_prime(n: int) -> bool:
2     if n < 2:
3         return False
4     if n == 2:
5         return True
6     if n % 2 == 0:
7         return False
8     i = 3
9     while i * i <= n:
10         if n % i == 0:
11             return False
12         i += 2
13     return True
14
15
16 primes = [x for x in range(1, 1001) if is_prime(x)]
17 avg = sum(primes) / len(primes)
18 print(f"{avg:.2f}")
PROBLEMS OUTPUT TERMINAL PORTS DEBUG CONSOLE
PS E:\py\代码> python .\1.py
453.14
PS E:\py\代码>
```

2. 完整版九九乘法表

```
for i in range(1, 10):
```

```
    parts = []
```

```
    for j in range(1, i + 1):
```

```
        parts.append(f"{j}x{i}={i*j}")
```

```
    print(" ".join(parts))
```

