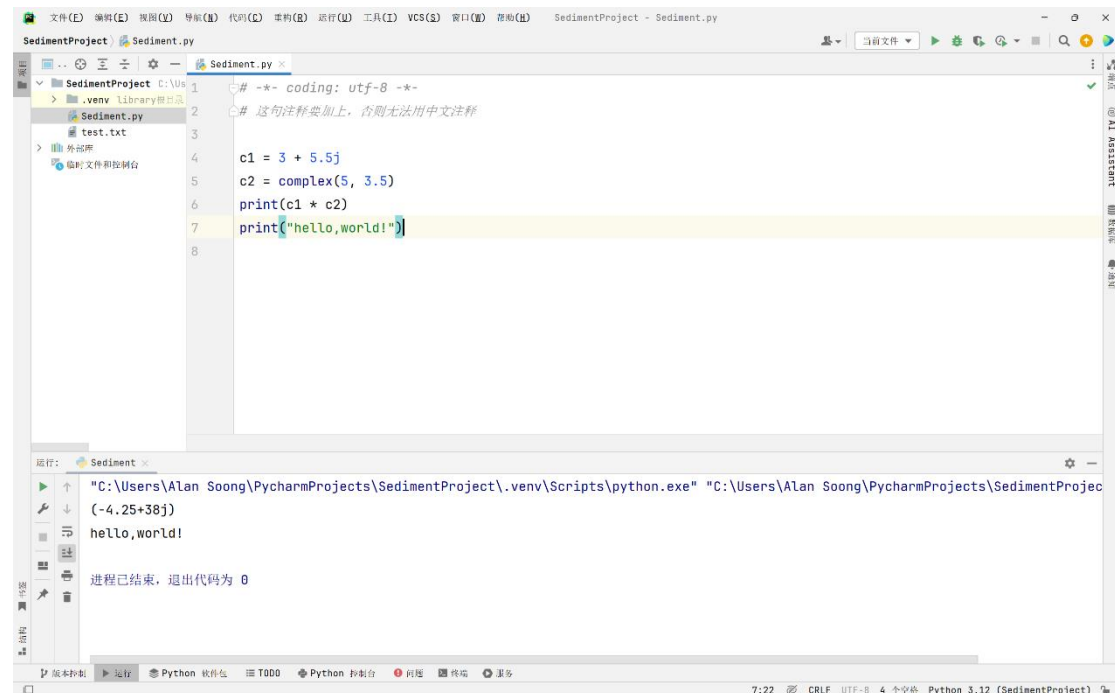


2024.09.08

这次作业主要是初步运用 Python 写一些简单的输入输出：



The screenshot shows the PyCharm IDE with a file named `Sediment.py` open. The code in the editor is as follows:

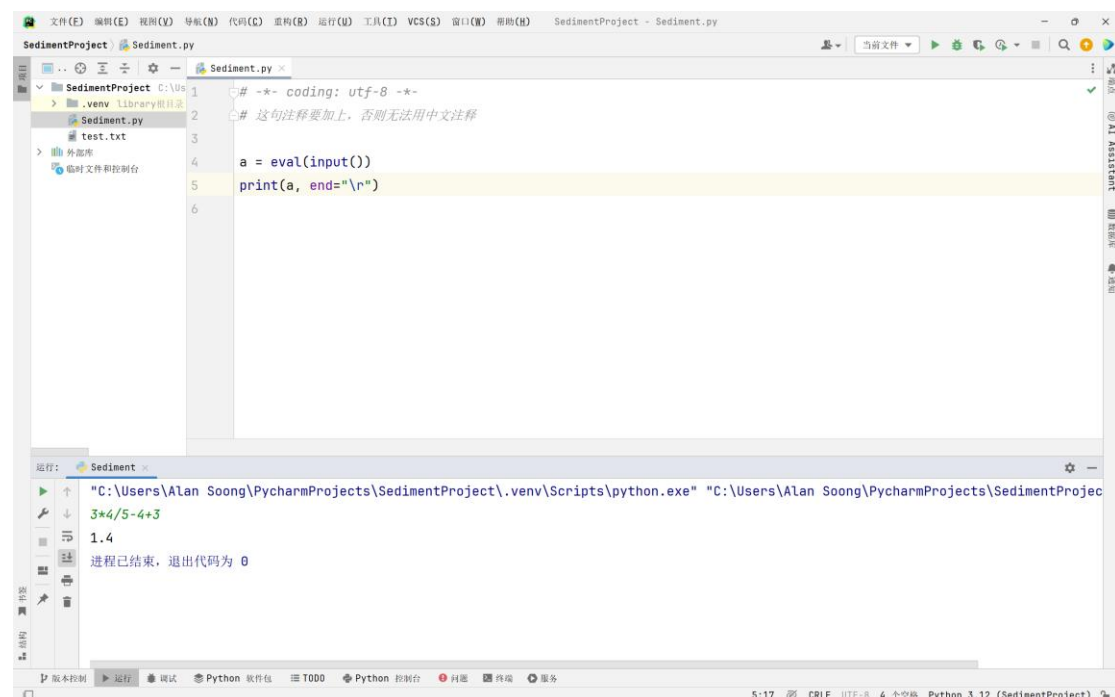
```
1 # -*- coding: utf-8 -*-
2 # 这句注释要加上，否则无法用中文注释
3
4 c1 = 3 + 5.5j
5 c2 = complex(5, 3.5)
6 print(c1 * c2)
7 print("hello,world!")
8
```

The bottom pane shows the execution output:

```
"C:\Users\Alan Soong\PycharmProjects\SedimentProject\.venv\Scripts\python.exe" "C:\Users\Alan Soong\PycharmProjects\SedimentProject\Sediment.py"
(-4.25+38j)
hello,world!
进程已结束，退出代码为 0
```

如图所示，这是一个简单的输出程序，`c1` 和 `c2` 是复数在 Python 的两种写法，`print` 函数支持打印内部运算的结果；

注意到 Python 的打印结果会带有换行，这是 `print` 的内置参数 `end="\n"` 造成的。



The screenshot shows the PyCharm IDE with a file named `Sediment.py` open. The code in the editor is as follows:

```
1 # -*- coding: utf-8 -*-
2 # 这句注释要加上，否则无法用中文注释
3
4 a = eval(input())
5 print(a, end="\r")
6
```

The bottom pane shows the execution output:

```
"C:\Users\Alan Soong\PycharmProjects\SedimentProject\.venv\Scripts\python.exe" "C:\Users\Alan Soong\PycharmProjects\SedimentProject\Sediment.py"
3*4/5-4+3
1.4
进程已结束，退出代码为 0
```

我们将 `end="\r"` 加上，这样可以实现回车但是不换行的操作。

注意到一点：如果想写中文注释的话，`# -*- coding: utf-8 -*-` 这句话一定要加在最前面，否则会报错 `SyntaxError: Non-UTF-8 code starting with '\x' in file 'Sediment.py' on line 1, but no encoding declared; see https://peps.python.org/pep-0263/ for details`