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Network Security

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1st and 2nd round AES encryption

Running

I ran the program on Ubuntu Linux via WSL2. However, I don't use any platform specific dependencies so the project will run on any python (3.12 or newer). I am using [uv](#) to manage my version & environment; however, the project only requires pip to be installed.

```
git clone https://github.com/HDTHREE/aes\_m14912123.git
```

```
cd aes_m14912123
```

```
pip install .
```

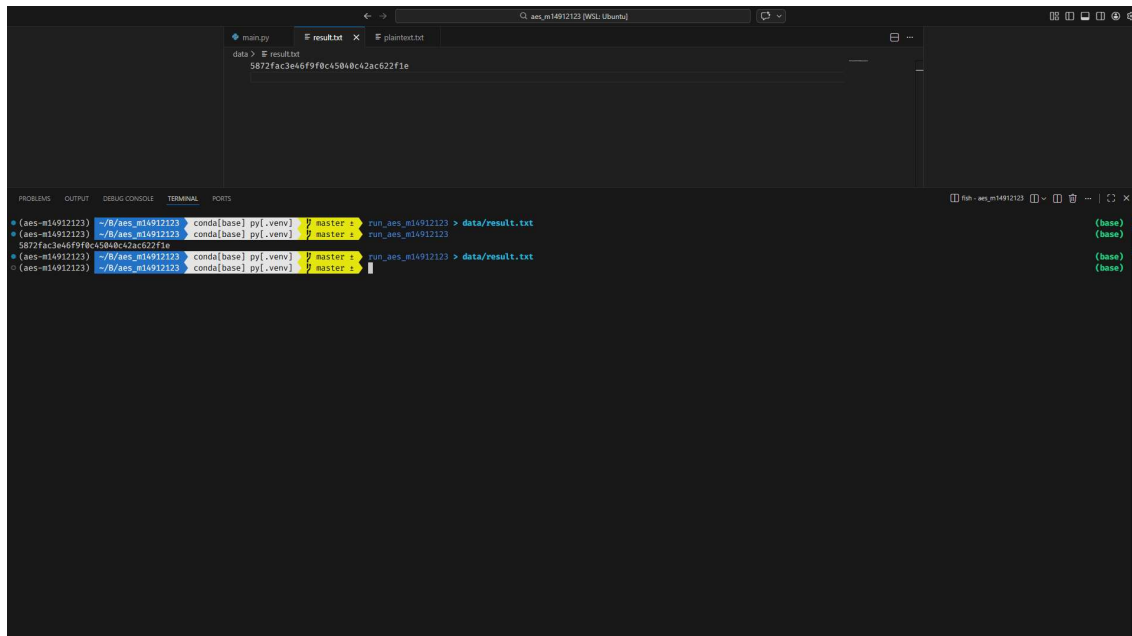
If you have uv, [uv sync](#) can be used to generate a virtual environment with the project installed rather than installing globally. The only external module I used was [numpy](#).

Result

The result file was generated by the following command:

```
run_aes_m14912123 > data/result.txt
```

Note this will not work for ALL shells, but will work for most including: sh, bash, ps2.



```
data > result.txt
5872fac3e46f9f0c45040c42ac622f1e
```

```
run_aes_m14912123 > data/result.txt
```