2. Specific Command Calls

The script contains multiple functions, and if you want to trigger any specific action separately, you can modify the `main()` function or directly call these functions. Here are commands based on specific tasks:

Select AID Command:

To select the AID from the smart card reader:

```
python -c "from card_reader import readers, select_aid; reader = readers()[0]; select_aid(reader)"
```

Initialize Keys (PIN, PUK, SO):

To initialize the keys (PIN, PUK, SO):

```
python -c "from card_reader import readers, initialize_keys; reader = readers()[0]; initialize_keys(reader, [0x12, 0x34], [0x56, 0x78, 0x90, 0x12, 0x34], [0x00] * 24)"
```

Generate RSA Key Pair:

To generate an RSA key pair:

```
python -c "from card_reader import readers, generate_rsa_key; reader = readers()[0]; generate_rsa_key(reader)"
```

Generate ECDSA Key Pair:

To generate an ECDSA key pair:

```
python -c "from card_reader import readers, generate_ecdsa_key; reader
= readers()[0]; generate_ecdsa_key(reader)"
```

Unblock PIN and Set New PIN:

To unblock the PIN and set a new PIN:

```
python -c "from card_reader import readers, unblock_and_set_pin;
reader = readers()[0]; unblock_and_set_pin(reader, [0x56, 0x78, 0x90],
[0x12, 0x34])"
```

Change PIN:

To change the PIN:

```
python -c "from card_reader import readers, change_pin; reader =
readers()[0]; change_pin(reader, [0x12, 0x34], [0xAB, 0xCD])"
```

Import Certificate:

To import a certificate:

```
python -c "from card_reader import readers, import_certificate; reader
= readers()[0]; import_certificate(reader, [0x30, 0x82, 0x01, 0x0A])"
```

Rename Certificate:

To rename a certificate:

```
python -c "from card_reader import readers, rename_certificate; reader
= readers()[0]; rename_certificate(reader, 0x01, [0x41, 0x6C, 0x69,
0x61, 0x73])"
```

. Check Log File for Results

After running any of these commands, you can check the log file
(`cosmo_x_interaction.log`) for detailed results:

cat cosmo_x_interaction.log