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Both print to ESCPOS and write to MSR605 magswipe writers. Emphasis on creating titled '\_seed' cards with entropy written for frequently changed adequate (ie. long) network (ie. WiFi) security.

Third-party python programs for writing to ESCPOS printers and for writing to MSR605 magswipe writers, may be included in this repository, and retain their relevant copyright licenses.

## Usage

```
_seed "experiment"  
_seed-barcode "experiment"  
_seed-magswipe
```

```
_s 3333333333333333
```

DANGER: Strongly discouraged. Use barcode and magswipe as separate 'sub' phrases instead.

```
_basic "experiment"  
_basic-barcode "experiment"  
_basic-magswipe "experiment"
```

DANGER: Strongly discouraged. Use barcode and magswipe as separate 'sub' phrases instead.

```
_legacy " 123456789012345678901234" "experiment"  
_legacy-barcode " 123456789012345678901234" "experiment"  
_legacy-magswipe " 123456789012345678901234" "experiment"
```

```
_seed-wifi experiment [security]  
_seed-wifi-card experiment [security]
```

```
_erase
```

# Design

```
* coreoracle  ( _rand() )  
* python3-serial
```

# Safety

# Further

## Vertical Barcodes

Sometimes very long barcodes may be helpful for arbitrary legacy data (eg. GH API tokens) beyond the length and characters available with magswipe. Printing the barcodes vertically may be helpful.

GitHub copilot should be able to quickly determine some python functions to add to '`_lib/escpos-python/print.py`' to supplement the existing '`_barcode()`' function there.

<https://python-barcode.readthedocs.io/en/stable/supported-formats.html>

# Reference

<https://github.com/manwinder123/MSR605-Card-Reader-Writer-Eraser-with-GUI>  
<https://github.com/manwinder123/MSR605-Card-Reader-Writer-Eraser-with-GUI/issues/4>

<https://github.com/python-escpos/python-escpos>  
<https://python-escpos.readthedocs.io/en/latest/>

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