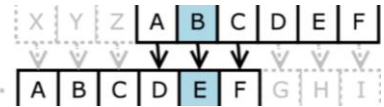# Decoding

Decoding Worksheet

Step 1 – Use **_any_** of the **_Raspberry Pi_**s to run a **_python script_** that will help you **_decode_** the **_secret messages_** from **Step 2**:

a) Open a **_Terminal Window_**, by doing a single **left-click** on the icon shown below:

b) Inside the **_Terminal Window_**, type the following commands as shown in the figure below:

```
File Edit Tabs Help
pi@raspberrypi:~ $ sudo su
root@raspberrypi:/home/pi# ./decoder.py
```

Step 2 – Decode the following secret messages, but remember that each secret message has a **_different SHIFT number_**.

SHIFT: 17

Secret Message #1:	Real Message #1:
KVTYEFCFXP	___ ___ ___ ___ ___ ___ ___ ___ ___

SHIFT: 5

Secret Message #2:	Real Message #2:
XHNJSHJ	___ ___ ___ ___ ___ ___ ___

SHIFT: 23

Secret Message #3:	Real Message #3:
BKDFKBBOFKD	___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___

SHIFT: 11

Secret Message #4:	Real Message #4:
HSTEP DLYOD	___ ___ ___ ___ ___ ___ ___ ___ ___

SHIFT: 18

Secret Message #5:	Real Message #5:
SJEQ	A R M Y

SHIFT: 6

Secret Message #6:	Real Message #6:
XKYKGXIN	R E S E A R C H

SHIFT: 9

Secret Message #7:	Real Message #7:
UJKXAJCXAH	L A B O R A T O R Y

SHIFT: 21

Secret Message #8:	Real Message #8:
OCVIFN AJM	T H A N K S F O R

SHIFT: 14

Secret Message #9:	Real Message #9:
QCAWBU	C O M I N G

SHIFT: 7

Secret Message #10:	Real Message #10:
FVB YVJR	Y O U R O C K

SHIFT: 19

Secret Message #11:	Real Message #11:
ZXFL	G E M S

SHIFT: 4

Secret Message #12:	Real Message #12:
WPEH	S L A D