Team 2 – Mai Nguyen, Anh Tran, Noah Warren – String Testing

phrase	H	E	L	L	O	T	H	E	R	E	1	2	3
ASCII	48	45	4C	4C	4F	54	48	45	52	45	31	32	33
key	A	P	P	L	E	#	'	^	@	{	;	A	P
ASCII	41	50	50	4C	45	23	27	5E	40	7B	3B	41	50
Key mod	1A	1A	1A	1A	1A	1A	1A	1A	1A	1A	A	A	A
Result Mod	D	2	2	18	11	9	D	10	C	13	9	5	0

ASCII phrase – result mod	3B	43	4A	34	3E	4B	3B	35	46	32	28	2D	33
out of bounds	1A		1A	1A		1A	1A		1A	A	A		
add	55	43	4A	4E	58	4B	55	45	46	4C	32	37	33

| encrypted phrase | U | C | J | N | X | K | U | 0 | F | L | 2 | 7 | 3 |

Entered string: HELLOTHERE123


```
Main Menu
1. Enter a phrase
2. Enter a key
3. Encrypt a phrase
4. Decrypt a phrase
5. Exit
             Please make a selection ==>   1

Please enter a phrase: HELLOTHERE123
```

Entered Key: APPLE#'^@{;

```
Main Menu
1. Enter a phrase
2. Enter a key
3. Encrypt a phrase
4. Decrypt a phrase
5. Exit
                  Please make a selection ==>   2

Please enter a key: APPLE#'^@{;
```

Encrypted String: UCJNXKUOFL273

```
The encrypted string:
UCJNXKU    OFL273
Press any key to continue...
```

Decrypted String: HELLOTHERE123

```
The decrypted string:
HELLOTH    ERE123
Press any key to continue...|
```