

CS 224 Midterm | Benic
Bearnsen

1. 1. mv util.c new.c
2. mknodr chi
3. cd util
4. rm foo.c
5. cp bff.c . ./chi
6. cat byu.c

2. 1. gcc -Wall main.c

2. ./a.out

3. gcc -Wall main.c -O main

3. A. echo 6966154 742676e 73747365 20736920
216e7566 21 > in.txt

B. TooMuchTyping < in.txt

4. a. After

00 00 00 02

00 00 00 01

00 00 00 00 - i

65 75 72 54

26 67 6e 6f

72 74 53 6c

61 79 bf 4c - s

b. i[0] = 0x 00000000

i[1] = 0x 00 00001

i[2] = 0x 00000002

LoyalStrong & True

5. 6d656d2a4a3a7369207972

6f7374696220546355 ! 63

? 6. Umin 0 0000000

Umax 127 1111111

y -10 11101110

UX 113 1110001

TmaxComp -20 1101100

TmaxComp 44 0101100

TmaxComp -19 1101101

X+y -25 1100111

TMax 63 011111

TMin -64 10000000

TMin+TMax -1 1111111

Tmin+1 -63 10000001

TMax+1 -64 10000000

-TMax -63 10000001

-TMin -64 10000000

7. 1. char y = X 778 & 0xFFs
return y;

2. X = X ^ y << 7;

8. C2

FFFC2

C2

FFFFFED1

D1

BEEF52D1

D1

FFFFFFD1

9. 1.B

2. A

3. 126

4. A

5. A