

Question 2

My name: tianxin

Serial number: 18007

Name from TA

1. Shifu Serial number: 17715
2. Yujie Serial number: 17866
3. Yiming Serial number: 17793

Detailed Analysis:

Please also refer to crack.c file.

```
[*] crack.c
1  #include <stdio.h>
2  #include <string.h>
3
4  int main( int argc, char *argv[] )
5  {
6      if ( argc != 2 )
7      {
8          printf( "The argument vailid\n" );
9          return(-1);
10     }
11     char *name = argv[1];
12
13     int total = 0;
14     int i;
15     for ( i = 0; i < strlen( name ); i++ )
16     {
17         if ( 'A' <= name[i] && name[i] <= 'Z' )
18             total = total + name[i];
19         else
20             total = total + name[i] - 32;
21     }
22
23     printf( "%d\n", (total ^ 0x5678) ^ 0x1234 );
24 }
```