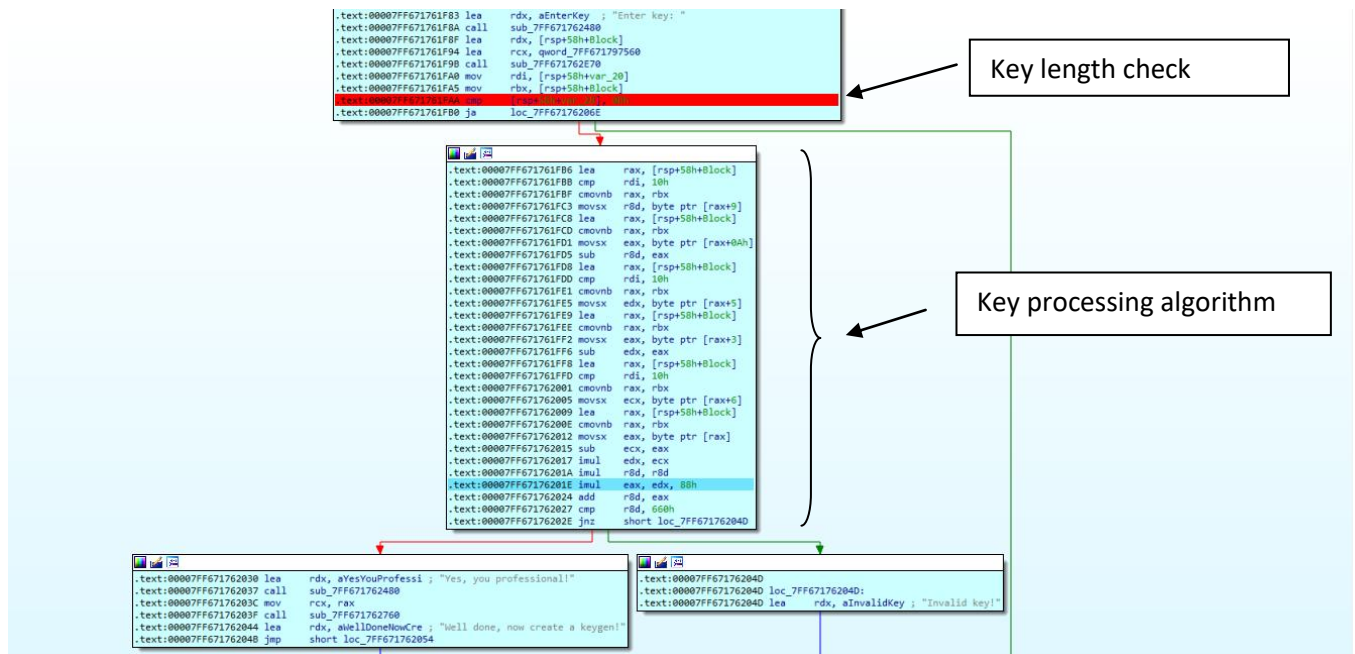


I'm going to be using IDA Freeware 7.7 to solve this crackme.

Let's open the crackme in IDA and run it:



The crackme checks first the key length, the key length needs to be less than or equal to 11 characters: `cmp [rsp+58h+var_28], 0Bh`

The following code represents an abstraction for the key processing algorithm:

```
r8d = ord(key[9])
eax = ord(key[10])
r8d = r8d - eax
edx = ord(key[5])
eax = ord(key[3])
edx = edx - eax
ecx = ord(key[6])
eax = ord(key[0])
ecx = ecx - eax
edx = edx * ecx
r8d = r8d * r8d
eax = edx * 0x88
r8d = r8d + eax
if r8d == 0x660:
    print("Yes, you professional!")
    print("Well done, now create a keygen!")
```

A keygen is provided along with this write up.