

```
1  uint8_t Key[16];
2  uint8_t Data[256] = {0};
3
4  void keygen(uint8_t * key, size_t len)
5  {
6      uint8_t seed[4];
7      for ( size_t i = 0; i < 4; ++i )
8          seed[i] = rand() & 0xff;
9      for ( size_t i = 0; i < len; ++i )
10         key[i] = seed[i % 4];
11 }
12
13 void encrypt( uint8_t * buf, size_t len )
14 {
15     for ( size_t i = 0; i < len; ++i )
16         buf[i] ^= Key[i % 16];
17 }
18
19 int main()
20 {
21     keygen(Key, 16);
22     encrypt(Data, 256);
23 }
```