```
Practical 6\ot.txt

Example 7.9
Enter Your Key (in format XXXX XXXX XXXX XXXX): 00000000 00000000 00000000 00000000
   Round      t                    Key
==========================================================
     0              00000000  00000000  00000000  00000000
     1      62636363  62636363  62636363  62636363  62636363
     2      f9fbfbaa  9b9898c9  f9fbfbaa  9b9898c9  f9fbfbaa
     3      0b0fac99  90973450  696ccffa  f2f45733  0b0fac99
     4      7e91ee2b  ee06da7b  876a1581  759e42b2  7e91ee2b
     5      9128f1f3  7f2e2b88  f8443e09  8dda7cbb  f34b9290
     6      934f600d  ec614b85  1425758c  99ff0937  6ab49ba7
     7      cd145c02  21751787  3550620b  acaf6b3c  c61bf09b
     8      2f8c14b4  0ef90333  3ba96138  97060a04  511dfa9f
     9      bf2ddbd1  b1d4d8e2  8a7db9da  1d7bb3de  4c664941
    10      053b8329  b4ef5bcb  3e92e211  23e951cf  6f8f188e

Example: 7.13 a
Enter PlainText (in HEX format XXXX XXXX XXXX XXXX): 00000000 00000000 00000000 00000000
Enter Your Key (in HEX format XXXX XXXX XXXX XXXX): 2475a2b3 34755688 31e21200 13aa5487
----------------------------------------------------------------
| Round    | Input State | Output State |   Round Key   |
----------------------------------------------------------------
----------------------------------------------------------------
|          | 00 00 00 00 | 24 34 31 13 | 24 34 31 13 |
|          | 00 00 00 00 | 75 75 e2 aa | 75 75 e2 aa |
| PreRound | 00 00 00 00 | a2 56 12 54 | a2 56 12 54 |
|          | 00 00 00 00 | b3 88 00 87 | b3 88 00 87 |
----------------------------------------------------------------
----------------------------------------------------------------
|          | 24 34 31 13 | 87 73 84 0b | 89 bd 8c 9f |
|          | 75 75 e2 aa | 15 1e 8c 9f | 55 20 c2 68 |
|    1     | a2 56 12 54 | ae 94 b9 99 | b5 e3 f1 a5 |
|          | b3 88 00 87 | ee 0c 11 ac | ce 46 46 c1 |
----------------------------------------------------------------
                          ....
----------------------------------------------------------------
----------------------------------------------------------------
|          | e9 48 80 76 | c5 87 39 35 | db d5 f4 0d |
|          | d5 ee 8a df | d1 46 05 d8 | f9 38 9b db |
|   10     | 78 2b 64 34 | 6d ca 34 be | 2e d2 88 4f |
|          | c5 21 d7 31 | e1 74 3d 4e | 26 d2 c0 40 |
----------------------------------------------------------------

Example 7.13 b
Enter PlainText (in HEX format XXXX XXXX XXXX XXXX): 00000000 00000000 00000000 00000001
Enter Your Key (in HEX format XXXX XXXX XXXX XXXX): 2475a2b3 34755688 31e21200 13aa5487
----------------------------------------------------------------
| Round    | Input State | Output State |   Round Key   |
----------------------------------------------------------------
----------------------------------------------------------------
|          | 00 00 00 00 | 24 34 31 13 | 24 34 31 13 |
|          | 00 00 00 00 | 75 75 e2 aa | 75 75 e2 aa |
| PreRound | 00 00 00 00 | a2 56 12 54 | a2 56 12 54 |
|          | 00 00 00 01 | b3 88 00 86 | b3 88 00 87 |
----------------------------------------------------------------
----------------------------------------------------------------
|          | 24 34 31 13 | d4 73 84 0b | 89 bd 8c 9f |
|          | 75 75 e2 aa | 46 1e 8c 9f | 55 20 c2 68 |
|    1     | a2 56 12 54 | 5b 94 b9 99 | b5 e3 f1 a5 |
|          | b3 88 00 86 | 48 0c 11 ac | ce 46 46 c1 |
----------------------------------------------------------------
                          ....
----------------------------------------------------------------
----------------------------------------------------------------
|          | 10 73 e5 60 | 11 5a 2d dd | db d5 f4 0d |
|          | 57 a1 2e 1a | cb 09 39 80 | f9 38 9b db |
|   10     | db 07 a1 6e | 1c 4d 31 8a | 2e d2 88 4f |
|          | 29 41 cc 05 | 4d 77 43 0b | 26 d2 c0 40 |
----------------------------------------------------------------
```

```
Example 7.14
Enter PlainText (in HEX format XXXX XXXX XXXX XXXX): 00041214 12041200 0c001311 08231919
Enter Your Key (in HEX format XXXX XXXX XXXX XXXX): 00000000 00000000 00000000 00000000
-------------------------------------------------------------
| Round    | Input State | Output State |   Round Key   |
-------------------------------------------------------------
-------------------------------------------------------------
|          | 00 12 0c 08 | 00 12 0c 08 | 00 00 00 00 |
|          | 04 04 00 23 | 04 04 00 23 | 00 00 00 00 |
| PreRound | 12 12 13 19 | 12 12 13 19 | 00 00 00 00 |
|          | 14 00 11 19 | 14 00 11 19 | 00 00 00 00 |
-------------------------------------------------------------
-------------------------------------------------------------
|          | 00 12 0c 08 | 64 62 45 60 | 62 62 62 62 |
|          | 04 04 00 23 | 4f 4a f2 0e | 63 63 63 63 |
|    1     | 12 12 13 19 | 9f 4f 97 b5 | 63 63 63 63 |
|          | 14 00 11 19 | fa 7b 53 17 | 63 63 63 63 |
-------------------------------------------------------------
                        ....
-------------------------------------------------------------
|          | b9 81 73 7a | e2 32 ac b5 | b4 3e 23 6f |
|          | 83 4d d8 d3 | 0c f3 8f 63 | ef 92 e9 8f |
|    10    | a6 67 c0 7b | e1 c3 75 9d | 5b e2 51 18 |
|          | 70 46 ef 3c | 20 40 95 51 | cb 11 cf 8e |
-------------------------------------------------------------
```