Chapter 3 and 5

ch 5 1program

​#​include​ ​<​stdio.h​>

​int​ ​main​() {

​        ​int​ n;

​        ​while​(​scanf​(​"​%d​"​, &n) == ​1​) {

​                ​int​ i, tmp = ​1​;

​                ​for​(i = ​1​; ; i++) {

​                        ​if​(tmp%n == ​0​)        ​break​;

​                        tmp = tmp\*​10​ + ​1​;

​                        tmp %= n;

​                }

​                ​printf​(​"​%d​\n​"​, i);

​        }

​    ​return​ ​0​;

​}

chapter 3 Written

​#​include​ ​<​stdio.h​>

​char​ ​translate​(​char​ c) {

​        ​switch​ (c) {

​        ​case​ ​'​1​'​:

​                ​return​ ​'​`​'​;

​        ​case​ ​'​2​'​:

​                ​return​ ​'​1​'​;

​        ​case​ ​'​3​'​:

​                ​return​ ​'​2​'​;

​        ​case​ ​'​4​'​:

​                ​return​ ​'​3​'​;

​        ​case​ ​'​5​'​:

​                ​return​ ​'​4​'​;

​        ​case​ ​'​6​'​:

​                ​return​ ​'​5​'​;

​        ​case​ ​'​7​'​:

​                ​return​ ​'​6​'​;

​        ​case​ ​'​8​'​:

​                ​return​ ​'​7​'​;

​        ​case​ ​'​9​'​:

​                ​return​ ​'​8​'​;

​        ​case​ ​'​0​'​:

​                ​return​ ​'​9​'​;

​        ​case​ ​'​-​'​:

​                ​return​ ​'​0​'​;

​        ​case​ ​'​=​'​:

​                ​return​ ​'​-​'​;

​        ​case​ ​'​W​'​:

​                ​return​ ​'​Q​'​;

​        ​case​ ​'​E​'​:

​                ​return​ ​'​W​'​;

​        ​case​ ​'​R​'​:

​                ​return​ ​'​E​'​;

​        ​case​ ​'​T​'​:

​                ​return​ ​'​R​'​;

​        ​case​ ​'​Y​'​:

​                ​return​ ​'​T​'​;

​        ​case​ ​'​U​'​:

​                ​return​ ​'​Y​'​;

​        ​case​ ​'​I​'​:

​                ​return​ ​'​U​'​;

​        ​case​ ​'​O​'​:

​                ​return​ ​'​I​'​;

​        ​case​ ​'​P​'​:

​                ​return​ ​'​O​'​;

​        ​case​ ​'​[​'​:

​                ​return​ ​'​P​'​;

​        ​case​ ​'​]​'​:

​                ​return​ ​'​[​'​;

​        ​case​ ​'​\\​'​:

​                ​return​ ​'​]​'​;

​        ​case​ ​'​S​'​:

​                ​return​ ​'​A​'​;

​        ​case​ ​'​D​'​:

​                ​return​ ​'​S​'​;

​        ​case​ ​'​F​'​:

​                ​return​ ​'​D​'​;

​        ​case​ ​'​G​'​:

​                ​return​ ​'​F​'​;

​        ​case​ ​'​H​'​:

​                ​return​ ​'​G​'​;

​        ​case​ ​'​J​'​:

​                ​return​ ​'​H​'​;

​        ​case​ ​'​K​'​:

​                ​return​ ​'​J​'​;

​        ​case​ ​'​L​'​:

​                ​return​ ​'​K​'​;

​        ​case​ ​'​;​'​:

​                ​return​ ​'​L​'​;

​        ​case​ ​'​\'​'​:

​                ​return​ ​'​;​'​;

​        ​case​ ​'​X​'​:

​                ​return​ ​'​Z​'​;

​        ​case​ ​'​C​'​:

​                ​return​ ​'​X​'​;

​        ​case​ ​'​V​'​:

​                ​return​ ​'​C​'​;

​        ​case​ ​'​B​'​:

​                ​return​ ​'​V​'​;

​        ​case​ ​'​N​'​:

​                ​return​ ​'​B​'​;

​        ​case​ ​'​M​'​:

​                ​return​ ​'​N​'​;

​        ​case​ ​'​,​'​:

​                ​return​ ​'​M​'​;

​        ​case​ ​'​.​'​:

​                ​return​ ​'​,​'​;

​        ​case​ ​'​/​'​:

​                ​return​ ​'​.​'​;

​        ​case​ ​'​ ​'​:

​                ​return​ ​'​ ​'​;

​        ​case​ ​'​\n​'​:

​                ​return​ ​'​\n​'​;

​        }

​        ​return​ ​'​ ​'​;

​}

​int​ ​main​() {

​        ​char​ c;

​        ​while​ (​scanf​(​"​%c​"​, &c) != EOF) {

​                ​printf​(​"​%c​"​, ​translate​(c));

​        }

​        ​return​ ​0​;

​}