1. **문자 맞추기 프로그램(40)**

- 2D char array 또는 1D char pointer array로 다음과 같이 20개 이상의 string(여러분이 원하는 word를 선택하여 초기화)저장

  char *wordlist[]={"school", "library", "store", "factory",....};   /* 또는 2-D로 */

- Computer 는 주어진 word list 에서 random 하게 한 word 를 선택, user 가 그 word 를 10 번안에 guess 하여 맞추는 game 작성(즉 0~19 사이의 난수 생성하여 그 값을 index 로 하는 string 을 맞추기)

- User 는 10 번의 문자를 입력하며 단어의 형태를 예측

- 단어를 예측하였을 경우 0 을 입력하여 단어를 맞출 수 있음

- 함수추가: 스스로 함수를 생각하고 프로그램을 작성할 것

- **<u>computer</u>**
  The word looks like this : _ _ _ _ _ _
  You have 10 guess left.
  your guess : **_a_** ↵
  There is no 'a' in the word.
  The word looks like this: _ _ _ _ _ _
  You have 9 guess left.
  your guess : **_o_** ↵
  Correct
  The word looks like this : _ _ _o o _ /* 2 개의 o 가 있었다면 2 개를 동시 보여줌 */
  :
  :
  You win!!   /* 10 번 이전에 string 을 맞춘 경우 */
                                               /* 못 맞춘 경우는 You lost!!를 출력 */
  Do you want another game(y/n)?   /* y/Y 를 입력한 경우만 다시 game 수행 그 이외의 char 를 입력한 경우 game 종료 */
  ↵
  Guess 를 user 로부터 입력 받는 경우 매 번 한 개의 char 만 입력 받도록 하며 alphabet 이 아닌 경우를 check. 또한 대 소문자 구별하지 않도록 한다.(만일 여러 char 의 입력 시는 첫 char 만 read 하고 나머지는 discard)

- 프로그램 예시

```
> ./main
The word looks like this:-------
You have 10 guess left.
your guess:a

The word looks like this:----a--
You have 9 guess left.
your guess:0

input answer:backup
incorrect!!

You have 9 guess left.
your guess:f

The word looks like this:-------
You have 8 guess left.
your guess:l

The word looks like this:l------
You have 7 guess left.
your guess:i

The word looks like this:-i-----
You have 6 guess left.
your guess:0

input answer:library
library is correct
You win!!

Do you want another game(y/n)y
The word looks like this:---------
You have 10 guess left.
your guess:k

The word looks like this:---------
You have 9 guess left.
your guess:i

The word looks like this:---i-----
You have 8 guess left.
your guess:0

input answer:christmas
christmas is correct
You win!!

Do you want another game(y/n)y
```

```
The word looks like this:---------
You have 10 guess left.
your guess:a

The word looks like this:---------
You have 9 guess left.
your guess:i

The word looks like this:---i-----
You have 8 guess left.
your guess:c

The word looks like this:---------
You have 7 guess left.
your guess:l

The word looks like this:---------
You have 6 guess left.
your guess:s

The word looks like this:--------s
You have 5 guess left.
your guess:b

The word looks like this:b--------
You have 4 guess left.
your guess:p

The word looks like this:---------
You have 3 guess left.
your guess:j

The word looks like this:---------
You have 2 guess left.
your guess:s

The word looks like this:--------s
You have 1 guess left.
your guess:i

The word looks like this:---i-----
You lost!!!
Do you want another game(y/n)n
>
```