

MyDic.h

Hangman2.h

HangmanGame2.cpp

Week6_Homework2

1

#include "Hangman2.h"

2

#include "MyDic.h"

3

4

void main()

5

{

6

Hangman game;

7

MyDic dic;

8

9

dic.load("MyWord.txt");

10

srand((unsigned int)time(NULL));

11

int i = rand() % MAXWORD;

12

game.play(dic.getEng(i), dic.getKor(i));

13

}

(Global Scope)

main()

C:\Users\user\source\repos\Week6_Homework2\Week6_Homework2.exe

<Hangman Game>

+---+

|

|

7+-----

.....

MyDic.h

Hangman2.h

HangmanGame2.cpp

Week6_Homework2

1

#pragma once

2

#include <iostream>

3

#include <fstream>

4

#include <string>

5

#include <conio.h>

6

using namespace std;

7

8

class Hangman

9

{

10

string progress[64];

11

string problem;

12

string answer;

13

string guessed;

14

int nTries;

15

const int maxTries = 7;

16

17

void load(const char* progName = "HangmanProgress2.txt")

18

{

19

ifstream fs(progName);

20

if (fs)

21

{

22

getline(fs, progress[0]);

23

for (int i = 0; i < 64; i++) getline(fs, progress[i]);

24

}

25

}

26

27

void print()

28

{

29

system("cls");

30

cout << " <Hangman Game>\n";

31

for (int i = 0; i < 8; i++) cout << '\t' << progress[nTries * 8 + i] << endl;

32

cout << "\n\t" << answer;

33

cout << "\n\t" << guessed;

34

}

35

C:\Users\user\source\repos\Week6_Homework2\Week6_Homework2.exe

<Hangman Game>

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4+-----

a.....m.o.....

MyDic.h

Hangman2.h

HangmanGame2.cpp

Week6_Homework2

36

int countMatched(const char ch)

37

{

38

int nMatched = 0;

39

for (int pos = -1; ;)

40

{

41

pos = problem.find(ch, pos + 1);

42

if (pos < 0) break;

43

answer[pos] = ch;

44

nMatched++;

45

}

46

return nMatched;

47

}

48

49

void guess()

50

{

51

char ch = _getch();

52

if (ch >= 'a' && ch <= 'z')

53

{

54

int pos = guessed.find(ch);

55

if (pos < 0)

56

{

57

guessed[ch - 'a'] = ch;

58

if (countMatched(ch) == 0) nTries++;

59

}

60

}

61

62

public:

63

void play(string prob, string kor)

64

{

65

load();

66

problem = prob;

67

answer = string(problem.length(), '-');

68

guessed = string(24, '.');

69

nTries = 0;

70

while (nTries < maxTries && answer != problem)

71

{

C:\Users\user\source\repos\Week6_Homework2\Week6_Homework2.exe (process)

Press any key to close this window . . .

<Hangman Game>

+---+

|

0

u | u

| |

u u

0+-----

a.....m.op.r...v.x

실패

정답 : nine

의미 : 구

```
C:\Users\User\source\repos\Week6_Homework2\Week6_Homework2.exe
load(const char * progName)

<Hangman Game>
+---+
|
|
|
7+-----
---
.....
```

```
C:\Users\User\source\repos\Week6_Homework2\x64\Debug\Week6_Homework2.exe
```

<Hangman Game>

```
+---+  
|   |  
|   |  
|   |  
|   |  
|   |  
|   |  
|   |  
|   |  
+---+  
0-e  
. . e . . . . . o . . t . . .
```

```
Microsoft Visual Studio Debug Console
```

```
<Hangman Game>  
+---+  
|   |  
|   |  
|   |  
+---+  
0  
  
one  
...e.....no...t....  
정답 : one  
의미 : 일  
  
C:\Users\User\source\repos\Week6_Homework2\x64\Debug\Week6_Homework2.exe (process 18756)  
Press any key to close this window . . .
```


