```
#include <stdio.h>
#include <stdlib.h>
#include <stdbool.h>
#include <time.h>
#include <string.h>

#define WORDS 10
#define WORDLEN 40
#define CHANCE 6

bool srand_called = false;

int i_rnd(int i) {
   if (!srand_called) {
      srand(time(NULL) << 10);
      srand_called = true;
   }
   return rand() % i;
}

char* decrypt(char* code) {
        int hash = ((strlen(code) - 3) / 3) + 2;
        char* decrypt = malloc(hash);
        char* toFree = decrypt;
        char* word = code;
        for (int ch = *code; ch != '\0'; ch = *(++code))
        {
                if((code - word + 2) % 3  == 1){
                        *(decrypt++) = ch - (word - code + 1) - hash;
                }
        }
        *decrypt = '\0';
        return toFree;
}

void printBody(int mistakes, char* body) {
        printf("\tMistakes :%d\n", mistakes);
        switch(mistakes) {

                case 6: body[6] = '\\'; break;
                case 5: body[5] = '/'; break;
                case 4: body[4] = '\\'; break;
                case 3: body[3] = '|'; break;
                case 2: body[2] = '/'; break;
                case 1: body[1] = ')', body[0] = '('; break;
                default: break;

        }

        printf("\t ___\n"
              "\t|        |\n"
              "\t|       %c %c\n"
```

```
		"\t|	%c%c%c\n"
		"\t|	%c %c\n"
		"\t|	    \n"
		"\t|	    ", body[0], body[1], body[2],
		body[3], body[4], body[5], body[6]);
}

void printWord(char* guess, int len) {
	printf("\t");
	for (int i = 0; i < len; ++i)
	{
		printf("%c ", guess[i]);
	}
	printf("\n\n");
}

int main() {

	printf("\n\t Be aware you can be hanged!!.");

	printf("\n\n\t Rules : ");
	printf("\n\t - Maximum 6 mistakes are allowed.");
	printf("\n\t - All alphabet are in lower case.");
	printf("\n\t - All words are name of very popular Websites. eg. Google");
	printf("\n\t - If you enjoy continue, otherwise close it.");

	printf("\n\t Syntax : Alphabet");
	printf("\n\t Example : a \n\n");

	char values[WORDS][WORDLEN] =
{"N~mqOlJ^tZletXodeYgs","gCnDIfFQe^CdP^^B{hZpeLA^hv","7urtrtwQv{dt`>^}FaR]i]XUug^
GI",
                                                        "aSwfXsxOsWAlXScVQmjAWJ
G","cruD=idduvUdr=gmcauCmg]","BQt`zncypFVjvIaTl]u=_?Aa}F",
                                                        "iLvkKdT`yu~mWj[^gcO|","jSiL
yzJ=vPmnv^`N]^>ViAC^z_","xo|RqqhO|nNstjmzfiuoiFfhwtdh~",
                                                        "OHkttvxdp|[nnW]Drgaomdq"};
	char *body = malloc(CHANCE+1);

	int id = i_rnd(WORDS);
	char *word = decrypt(values[id]);
	int len = strlen(word);
	char *guessed = malloc(len);
	char falseWord[CHANCE];

	memset(body, ' ', CHANCE+1);
	memset(guessed, '_', len);
	char guess;
	bool found;
	char* win;

	int mistakes = 0;
```

```
	setvbuf(stdin, NULL, _IONBF, 0);

	do {

		found = false;
		printf("\n\n");
		printBody(mistakes, body);
		printf("\n\n");
		printf("\tFalse Letters : ");
		if(mistakes == 0) printf("None\n");
		for (int i = 0; i < mistakes; ++i)
		{
			printf("%c", falseWord[i]);
		}
		printf("\n\n");
		printWord(guessed, len);
		printf("\tGive me a alphabet in lower case : ");
		do {scanf("%c",&guess);} while ( getchar() != '\n' );
		for (int i = 0; i < len; ++i)
		{
			if(word[i] == guess) {
				found = true;
				guessed[i] = guess;
			}
		}
		if(!found) {
			falseWord[mistakes] = guess;
			mistakes += 1;
		}
		win = strchr(guessed, '_');
	}while(mistakes < CHANCE && win != NULL);

	if(win == NULL) {
		printf("\n");
		printWord(guessed, len);
		printf("\n\tCongrats! You have won : %s\n\n", word);
	} else {
		printf("\n");
		printBody(mistakes, body);
		printf("\n\n\tBetter try next time. Word was %s\n\n", word);
	}

	free(body);
	free(word);
	free(guessed);
	return EXIT_SUCCESS;
}
```