Program permuted series of alphabets using monoalphabetic

#include <stdio.h>

#include <string.h>

#include<ctype.h>

#define ALPHABET\_SIZE 26

void generateCipherSequence(const char \*keyword, char \*cipherSequence) {

int keywordLength = strlen(keyword);

int index = 0;

strcpy(cipherSequence, keyword);

for (char ch = 'A'; ch <= 'Z'; ch++) {

if (strchr(keyword, ch) == NULL) {

cipherSequence[keywordLength + index] = ch;

index++;

}

}

cipherSequence[keywordLength + index] = '\0';

}

int main() {

const char \*keyword = "CIPHER";

char cipherSequence[ALPHABET\_SIZE + 1];

generateCipherSequence(keyword, cipherSequence);

printf("plain: ");

for (char ch = 'A'; ch <= 'Z'; ch++) {

printf("%c ", ch);

}

printf("\ncipher: ");

for (int i = 0; i < ALPHABET\_SIZE; i++) {

printf("%c ", cipherSequence[i]);

}

printf("\n");

return 0;

}

Outputr:

