Problem Link:

<https://leetcode.com/problems/keyboard-row/>

Solution:

class Solution {

public:

vector<string> findWords(vector<string>& words) {

vector<string> v;

string r1 = "qwertyuiop";

string r2 = "asdfghjkl";

string r3 = "zxcvbnm";

set<char> s1(r1.begin(), r1.end());

set<char> s2(r2.begin(), r2.end());

set<char> s3(r3.begin(), r3.end());

for(string w : words)

{

string l;

for(char c : w)

{

l += tolower(c);

}

set<char>\* s;

char fc = l[0];

if(s1.count(fc))

{

s = &s1;

}

else if(s2.count(fc))

{

s = &s2;

}

else

{

s = &s3;

}

bool f = true;

for(char c : l)

{

if(!s->count(c))

{

f = false;

break;

}

}

if(f)

{

v.push\_back(w);

}

}

return v;

}

};