#include<bits/stdc++.h>

using namespace std;

int main()

{

char chr;

cin >> chr;

if(chr >= 97&& chr <= 122)

{

cout << "ALPHA" << endl;

cout << "IS SMALL" << endl;

}

else if (chr >=65 && chr <= 90)

{

cout << "ALPHA" << endl;

cout << "IS CAPITAL" << endl;

}

else

{

cout << "IS DIGIT" << endl;

}

}