#include <iostream>

#include <string>

#include <ctime>

#include <cstdlib>

using namespace std;

int length(string n)

{

int i=0;

while (n[i] != '\0')

{

++i;

}

cout << i << endl;

}

int main()

{

int password;

password = 1234;

string username;

username = "usama";

string userinput;

cout << "Enter username:";

cin >> userinput;

cout << "Enter password:";

cin>>password;

if(userinput!= username || password!=1234)

{

cout<<"invalid username and password"<<endl;

}

else

{

int l=4;

char letter;

int wrong\_guess=1;

string n;

string country\_names[]={"lahore","peshawar", "sahiwal","multan", "karachi","islamabad","quetta","gujrat","sialkot","jhang","kasur","mardan","okara","mingora","Jhelum","gojra","vehari","swabi","turbat","charsada"};

srand (time(NULL));

int r=rand()%20;

cout<<"\*\*\*\*\*\*\*\*\*\*\*\*Welcome to hang the man game\*\*\*\*\*\*\*\*\*\*"<<endl;

cout<<"\*\*\*\*\*\*\*\*\*\*\*\*Terms and conditions\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*"<<endl;

cout<<"\*\*\*\*You have to guess city name of pakistan\*\*\*\*\*\*\*"<<endl;

cout<<"\*\*\*\*\*\*You have total 3 lifes\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*"<<endl;

n=country\_names[r];

cout<<n<<endl;

length(n);

int i=0;

char \*word=new char[i];

while (n[i] != '\0')

{

i++;

}

for(int j=0; j<i; j++)

{

word[j]=n[j];

word[j];

}

word[i];

int j=0;

char temp[i];

while(j<i)

{

temp[j]='-';

j++;

}

for(int k=0;k<i;k++)

{

cout<<" "<<temp[k];

}

int right\_guess=0;

int z=0;

while(z<i+3)

{

int flag=0;

cout<<"enter your guess"<<endl;

cin>>letter;

for(int k=0;k<i;k++)

{

if(temp[k]==letter)

{

cout<<"you entered it again"<<endl;

break;

}

if (word[k]==letter)

{

right\_guess++;

temp[k]=letter;

// cout<<temp;

for(int d=0;d<i;d++)

{

cout<<temp[d];

}

// break;

cout<<" ";

}

else

{

flag++;

}

}

if(flag==i)

{

int life;

wrong\_guess++;

life=l-wrong\_guess;

cout<<"life remaining="<<life<<endl;

}

if(wrong\_guess==4)

{

z=i;

break;

}

if (right\_guess==i)

{

cout<<"you win"<<endl;

break;

}

z++;

}

if(right\_guess!=i)

{

cout<<"you have lost the game"<<endl;

}

cout<<"the word was ";

cout<<n;

}

}