#include <iostream>

using namespace std;

int main()

{

unsigned int p,y,z;

unsigned int x=0x1;

unsigned int mask\_set=0x02100000;

unsigned int mask\_reset=0x8fbfffff;

int count=0;

unsigned char a,b,c,d;

cout << "Enter a value to Unpacking"<<endl;

cin >> hex >> p;

a=p>>24;

b=p>>16;

c=p>>8;

d=p;

cout<<hex;

cout<<" Value After Unpacking "<<(int)a<<(int)b<<(int)c<<(int)d<<endl;

cout << "Enter a value to count ones"<<endl;

cin >> hex >> p;

while(p!=0)

{

z=x&p;

if(z==1)

count++;

p=p>>1;

}

cout<<"no of ones is "<<count<<endl;

cout << "Enter a value to set and reset";

cin >> hex >> p;

y=p|mask\_set;

cout<<"Set Is "<<hex<<y<<endl;

z=p&mask\_reset;

cout<<"ReSet Is "<<hex<<z<<endl;

return 0;

}