problem Id: uva 10235

#include<iostream>

#include<math.h>

using namespace std;

int revers(int r);

int prime(int n);

int main(){

int N,temp=0,rev=0;

while(cin>>N){

if(N==prime(N)){

temp=revers(N);

if (temp==prime(temp)){

if (temp==N) cout<<N<<" is prime."<<endl;

else cout<<N<<" is emirp."<<endl;

}

else cout<<N<<" is prime."<<endl;

}

else cout<<N<<" is not prime."<<endl;

}

return 0;

}

int prime(int n){

int cont=1;

int sq=sqrt(n);

for (int i=2;i<=sq;i++){

if (n%i==0){

cont=0;

return 0;

}

}

if(cont==1){

return n;

}

}

int revers(int r){

int rev=0;

while(r){

rev=rev\*10+r%10;

r/=10;

}

return rev;

}