#include <iostream>

using namespace std;

int main(){

for(int num = 2; num<20; ++num){

int isPrime = 1;

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

if(num%i == 0){

isPrime = 0;

}

}

if(isPrime == 1)

cout<<num<<" is Prime"<<endl;

else cout<<num<<" is not prime"<<endl;

}

}