

```
#include <iostream>
using namespace std;
/* run this program using the console
pauser or add your own getch,
system("pause") or input loop */

int main() {
int r,n,m,c,i;
cout<<"please enter m= ";
cin>>m;
cout<<"please enter n= ";
cin>>n;
if(n>m){
    c=n;
    n=m;
    m=c;
}
for(i=1;i<=n;i++){
    if (m%i==0 && n%i==0){
```

```
r=i;  
}  
}  
cout<<"b.m.m= "<<r;  
}
```