18. Implement Union, Intersection, Complement and Difference operations on fuzzy sets. Also create fuzzy relation by Cartesian product of any two fuzzy sets and perform max min composition on any two fuzzy relations

Program in MATLAB to perform Union, Intersection and Complement operations.

```
% Enter Data
u=input('Enter First Matrix');
v=input('Enter Second Matrix');
% To Perform Operations
w=max(u,v);
p=min(u,v);
q1=1-u;
q2=1-v;
% Output
display('Union Of Two Matrices');
display(w);
display('Intersection Of Two Matrices');
display(p);
display('Complement Of First Matrix');
display(q1);
display('Complement Of Second Matrix');
display(q2);
```