Assignment-2 (20+5) : 5 marks for proper documentation.

Submission Date: 14th Sept;

Demo till: 16th Sept

Do either Assignment A or B in group of **2 students**

Write program in Prolog/C/C++/Java/python for generating plans for block world problem discussed in the class. Marks corresponding to each component are shown along with it.

- Use appropriate representations for representing Start and Goal states of Block world problem

Assignment A:

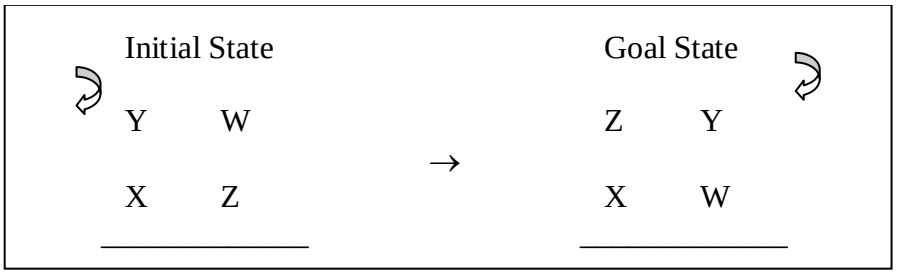
- (20 marks) Develop planner(Start, Goal, Plan) using **Goal stack** technique

Assignment B:

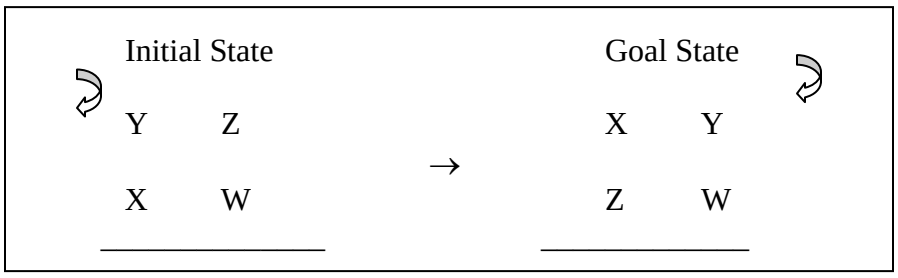
- (20 marks) Develop planner(Start, Goal, Plan) using **Goal Set** technique

Test your program for the following configurations:

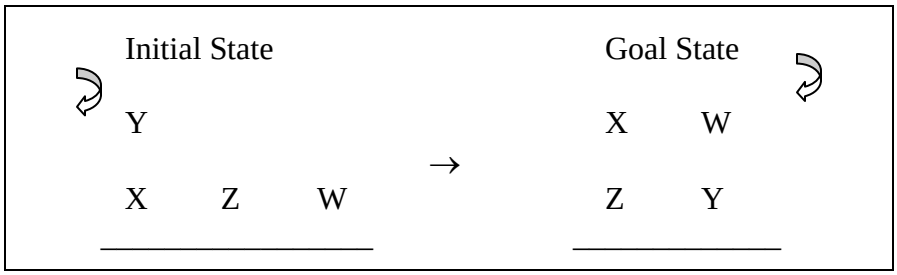
i.



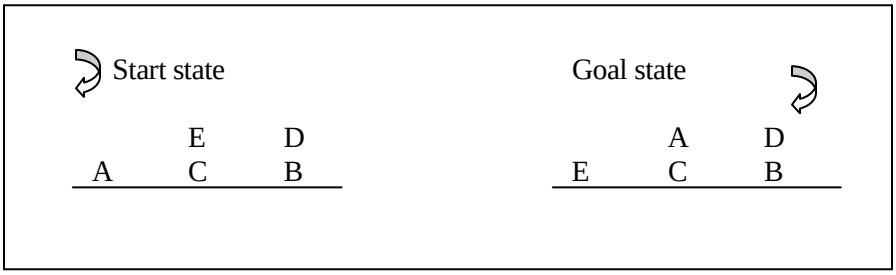
ii.



iii.


Initial State
Goal State
Y
X W
X Z W
Z Y

iv.


Start state
Goal state
E D
A C B
A D
E C B