Roll no: 41310

* Title: Implement Goal stack planning.

* Problem statement: Implement Goal stack

Planning for the following

Configuration from the blocks of world.

* objective:

To learn and implement

goal stack planning.

out comey:

Student will be able to implement

goal Stack planning.

* 510 & HIW requirements:

Operating system: 64 bit windows or open source operating system. Python interpreter.

Theory: God stack planning (OSP) is the one of the simplest planning algorithm that is designed to handle problems having Compound goals The appearch Uses a stack for plan generation. The stade Can Contain subgood & predicate for actions

* Algorithm:

- 1. Push the goal state into the stack
- 2. push the individual predicate of good state into the stack.
- 3. loop till stack is empty.

 Pop on element & from the stack.

 IF & is true then

 Do Nothing

Else

push the relevant action into the star push the individual predicates of the action into the stack.

Apply the action to current state and the action 'a' to the plan.

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