+	Assignment AIR				
	Title:				
_	Implement goal stack planning.				
+	7				
-	Problem Statement'-				
	For the following configuration from the blocks of world				
	OF COO'6 (8)				
	Objective;				
	Objective: To learn and implement goal stack planning				
	Outcome!				
	Students will able to implement god god stack planning.				
	Software and Hardware requirement:				
1					
	Operating System: 64 bit windows or open Source Os.  Python interpreter.				
	Theory:				
	Casal Stack Planains (CED) : L				
	Great Stack Planning (GSP) is the one of the simplest planning algorithm that is designed				
	to handle problems having command goals				
	to handle problems having command goals the approch user a stack for plan generation The stack can contain subgood and bredicate for salar to				
	predicate for actions.				
	actions.				

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	Algorithm -					
	. Push the goal state into the stack					
2	Push the goal state into the stack  Push the individual predicate of goal state					
	in to the					
3	Loop till stack is empty.					
	pop an element E from the stack					
	IF E	is a predicat	C			
	IF E is true then					
	Do nothing.					
	Else					
push the relevant action into the						
	push the individual predicates of the					
	action into the stack.					
Else if E is an action.						
	te					
.1.	Apply the action to current state  Add the action (a) to the plan					
	Operations:					
	Operations.	Precondition	Delete	Add.		
()	Stack (n, y)	Clear (Y) 1				
		Holding (x)	clear (re)	ARMEMPTY		
2)	Unstack (x, y)	AR MEMPTY A	Hobding (se)	on(2,4)		
		on (x, y) v	ARMEMPTY A	HULDINGIN		
		Clear (x)	ON (n, y)	1 CLEAR(Y)		
3)	PICKUP(x)	CLIFAR (20) A	2.0			
		ONTABLE ( 2) A	ONTABLE (2)	HOLDING(X)		
		ARMEMPTY	ARMEMPTY			
4)	PUTDOWN (x)	HOLDING (x)	1	-111		
	. ( )		HOLDING (21)	ONTABLE (20)1		
	11 se se 82 - 11 8 82		Toost	ARMEMPTY		
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Example:					
Initial state:	B C D				
Great state	C B D				
1. Pick up (c)  B A C D	2 PUTDOWN(C)  B H A C D	3. UNSTACK (B,A)			
4. PUTDOWN (B)  (A) [D] [B]	-T. PJCKUP (C)	G. GTACK (C, A)  [C]  [A]  [B]  [D]			
7. PICKUP (B)	8. STACK (B,D)				
	C B D (Croal State)				
Conclusion :-	Canalusian's				
using PICKUPU	using PICKUPU PUTDOWNOS, UNSTACKO and				
Groal Stack Planning is performed using PLCKUPU, PUTDOWN(), UNSTACK() and STACK() problem wing python.					

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