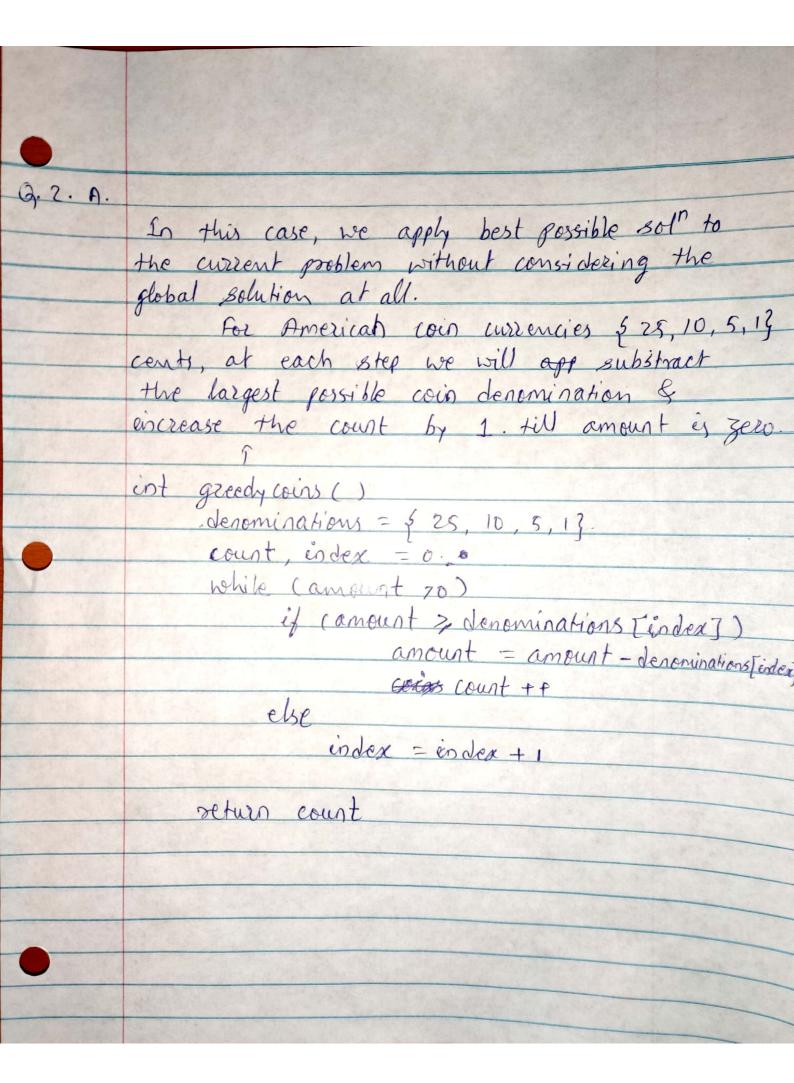
G. I.A.	Approach of selecting the activity of least dura.
	Activity start time finish time Duration
	Ao 0 1
	A, 1 3 2
	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
	A3 6 10 4
	Ac 10 11
	Cet us consider a activity set as shown above.
	Cet us consider a activity set as shown above. The optimal solf for this activities should be
	Optimal = { Ao, A, Az, Az, Az}.
	The greedy approach described i.e. that of
	selecting activities with least duration will give
	Greedy = { As, A4}.
	Thus, this greedy approach doest work
	T=0 1 2 3 4 5 6 7 8 9 10 11
optimal	> A0 A, A, A2 A2 A2 A3 A3 A3 A4
Greedy	-> Ao

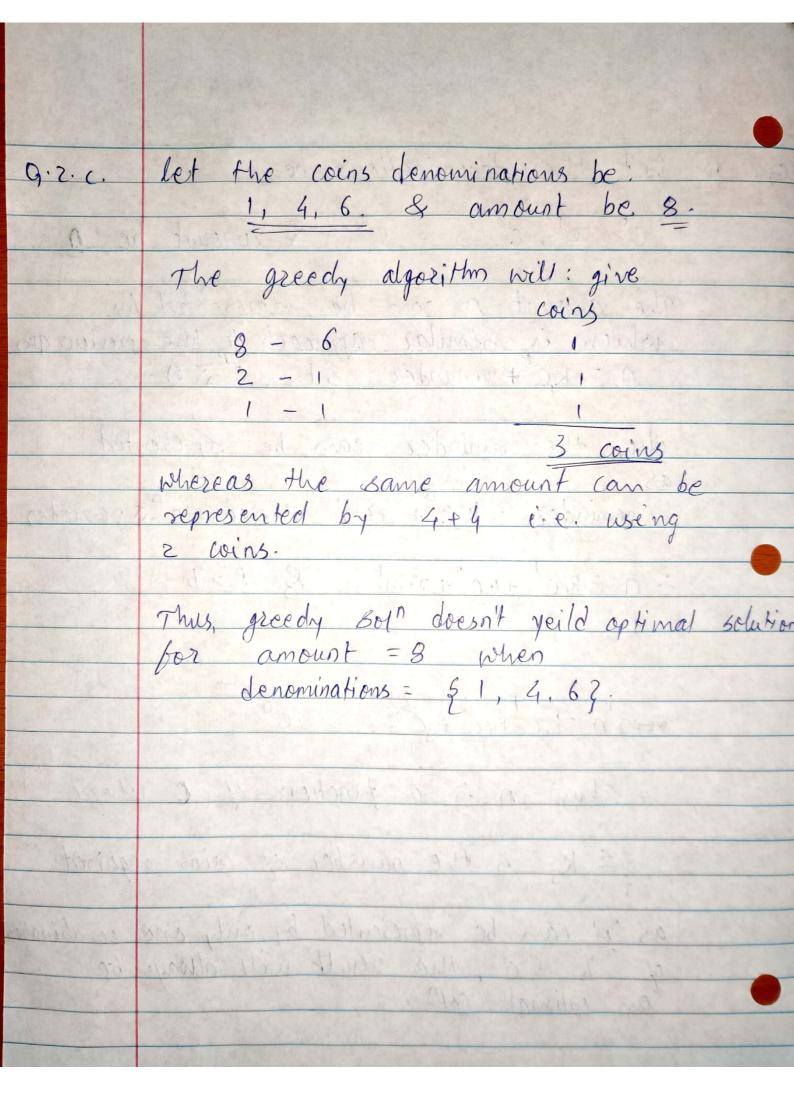
	1 1	andi il'an mille	16 and proplans			
Approach	of belecting	actiones with	Jewest orcurs			
Consider	following &	cenario!	and anellans.			
Activity	stall time	finish time	110. of overage			
Ao	Ō		2			
A			2			
A2	1	3				
A ₃	2	4	2			
Ag	3	5	2			
AC	5	6	0 .			
The optim	The optimal sol for this case is					
S An A	7, A2, A5	3 or/AND & AD	, Az, A4, A5 g.			
The green	dy approach	of selecting	activity with fewest			
overlap gives us accede sol = & An Ac?						
Hanse fl	is greedy as	moach doesn't	yould make set.			
Trovoc						
T=0	1 2 3	4 5	6			
Ao I						
	A,					
7						
	The same of the sa	A3				
		- 1				
		,				
THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO I	Consider Activity Ao Ar Ar Ar As The optim { Ar, f Overlap g greed Hense, fl	Consider following & Activity start time AD D A, I AZ I AZ Z AZ Z AZ Z AZ Z AZ Z AZ Z AZ	Az 1 3 Az 2 4 Az 3 5 Az 3 5 Az 5 6 The optimal sol for this case is § Az, A, Az, Az, Az orland § Az The greedy approach of selecting overlap gives us greedy sol = § Ao, Az}. Hense, this greedy approach doesn's T=0 1 2 3 4 5 [Ao] [Ao]			

3357 FF War	100000000000000000000000000000000000000	ALCOHOLD THE REAL PROPERTY.	TO SEE SEE SE		ALL MANY		1774 L. 1788	STAGE TO
G. \$1. C.	Approac	h of sel	octing a	activity	of	earlies	t start	time.
	conside	r following	ig set	of act	ivities			
	Activity	start	time	- of activities finish time		ouration.		
		0		10		10		
	A,			3		2		
				6		3		
	THE RESERVE TO LABOUR STREET			10		4		
	,							
	The op	timal solu	tion to	e this	acti	vity é	1:	
	Se	toptimal	= 5 A.	A	Az G	? .		N. LEE
		optimal		, , ,	3)			
	The a	readu ala	roach o	1. 30/6	chino	the	activ	ite
	brith (reedy appearliest s	tast tin	re ai	ves 1	145		
		Setgreedy	= 5	A 2.				
		greedy		10 7				
	Thus, +	his greec	ly app	reach	does	n't give	max	set
	Ao Ao	Ao Ao	Ao Ao	Ao	A	AO A	· Ao	
	A,]	A, A,						
	A ₂	Ma	Az Az	Az			The man	
	A_3				A3	A3 A3	3 A3	
	T=0	2 3	4	5 6	7	8	9	0
			time -	- >				
							REPUBLIS	



bet us consider a scenario: whenever the amount is greater than The amount = amount - denominations [index] will substract 25 out of amount. This way, the we can represent a poetion of amount with one quarter. This will continue till amount is less than quarter. In other words, ef n is the number of times quarter was substracted from an amount K; K can be represented by at max of quarters + semaining amount. The grave loop continues As the semaining amount cannot be sepresented by quarter, et is sepresented by next lower denomination i.e. dime using same logic as above. The loop continues till remaining mount is greater than zero.
The addition of number of quarters, dimes, nickel penny gives the final amount.

9.2. B. Let the denominations be c°, c', c² ---- ck. & amount be 1 The amount n can be represented by which is similar approach to the previous ques $0 = k_1C + reminder$ s.t. $C \leq 0$. also, the seminder can be sepresented as seminder = K2C + rem' whereas is seminder :. n = k, c + xem! & P > b. :. Thus, in is a function of to where ≥ K; is the number of wins required. as 'n' can be sepresented by only one combination of "K' &'c', the result will always be an optimal sol"



g.2.d.	int Greedy (cint (int amount arr denominations[]) int coins = 0 int index = 0 //denominations are sorted indescending order of if (amount & denominations [index]) amount = amount - denomination [index] coins = coins + 1
	else, endeze = index + 1 & seturn coins