Assignment - 4

1.7	cosite un algorithm code for selection sour
	> Argonithm:
	1. Repose (3:70-1) times (i) minimum + times element
	(ii) fas queh emstassel e rements if e rement & minimeran
	(iii) Societ (animi meim to eleanent)
1	9. <u>Ġ</u> ToP
9.	Cooline com our course on la la Car Callera Good
	Coolité con ordensithem coole for Berppre 20017
	J. Report (9°2e-1) tioner
	if less element of Tight element
	then some 1894 Clament and sight
	9. END
Reflect	

3	voite um engosithim loode too meage sont.
	MERGE (A, p, q, A)
	m1 = q-P+1
	m2 = 91-9
	184 1 [1 m1 +1] cloud R [1-1 - m2+1] be men ADDY
	foor is 1 to 901
7.	11:1 = A [P+: -1]
((3	foor i = 1 : 40: m2
	[i+P] A° Eij A confi
	$\Gamma[\omega_1+1] = i\omega_0$
	R[m2+1] = infinite
	iel isi
	foot las P to on
	if Lei] < Rei]
	A[k] = L[i]
	ACRES OF THE STATE
	PISP Alle] = REij
	j=j+1
	MERGE GORT (A, P, S)
	if PXA
130	them 9 x- (P+91)/2
lan	MEGE 3087 (A, P, Q)
[10:11]	m FOR OLE 30 RT (A, 241, 9.)
	MERGE (A, P, 9, 9)

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4.) coente un argosithon code foor zonscertion soort -> Algo Dithon. fas 9= 1 to 3170 Key't eight [i] i ← i -1 100 00 100 000 sepant obje (key & assis) and is, o) [ilaris & [14] Reis -- i reinster for son and [it] of Key 5, waite on organithm lade for Grick 90011. -> Algopithm: Pondredence Pivot (TI:-i]; Verall) I pasiameres the elements in adiany This is aind - DIPLEDING CI VOILE & geich HOLA, OLA PORO, ix lx 1 TEXTEX P + ix k + 2, TEXT p and TEND >P + Q & ledj, P is the initial Noise TEITS SOID P+ T[:] 1x 4 i; 2 t j+1

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Repeat K+ K+1 em +111 T[10] YP Repair I + 1-1 Emily TEST & P outile 42 Sever T[K] and TER] 9 < : [x] T withis 1+x + x 110999 Reapport I + I-1 200011 TERIXP Scoop TEIT and TELT Photodune quickgoon (T[i,-i]) if i-i is sufficiently smown them ingest [Ti...i] Pivot (TTi-i] () 921 CH 30 SI (T[:-2-17) 989CKS0914 (+ [2+1, -- 1] by anothe cian anyonithan lade for Heup goons. -> Aigopithon: - max Heapify (asis ;) Los (1011 (1) and marginers no whole it R: Right (i) If hear size (ass) and clas [1] > assti] 1009jes+ == 1 17 17 1; Longest = 1 0150

	if R = heap fixe Passal and assa [2] > assala
	if R = heap - give [assign]
	if langest 1 = i
	Score asia til conthe com
	men Henrift Casa , langer).
	End
	[9] T (900 /17 0002
	-Beild Max Heap (comer)
	las or Para) - 10mg th (arga)
	Pool : = 1000gth (01000) /2 +0 1
	mer Heapily (aga, i)
	END CONT.
	(0 F 1 (377) 100/9
	Heupson+ (ass)
	Baild mar Hone (up. or)
	Pas 1 = 10mg th (210mg) to 2
	george dans [1] with constit
	hear give [ago] = hear give [ago]
	max Heapity (ass, 1)
	End.
	() pool vignativery 1
to)	assite an engasition lade postineus severch
1	(1) 1,19.9 2 2
	the 100 to lost index of consuly
	if PA[:] Exercis Key.
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8.)	cooise un engosithem leade for Branson sensiel.	
	aniddie index partaoux between te	Sign
	if o [middle] mortches key Steteram middle	
	013e if key < A [middle]	
	Sight - middle -1	
	6136	
	16tt = wiggle 11	
	91848191 - 1	
		Na. P
		AFT A