12 A H 3	
	1ash 5
a) Find the SIDs of students who attend some	course of the first or second class.
DSID ((6 Class-1 Courses) D	J Gradebook) V ( Sclass= 2 Courses) - Gradebook)
	ne course of the first class or have surname Valdez.
	Le course of the first class of flave sufficience values.
SID (6 class= Courses)	Grade book ) V (Surname = Valde = Students))
	some course of the first and second class.
noin (Gass=1 Courses) > Gra	adebook) Mosin (Gass=2 Courses) MG Gradebook)
d) Find the SIDs of students who a	
Psip, CID Greadebook	) % Tip (Courses)
e) Find the SIDs of students who attended	
Miss Class=3 Courses	S) Gradebook
f) Find pairs of SIDs such that student with the first the student with the second SID.	
O(R., Gradebook)	
O(R2, Gradebook)	
$P_1 = in$ , $P_2 = in$ $G_{R_1} = R_2$	2. CIPARI. SID!=R2. SIDARI. MARK > R2. Mark (R, XR2)
	ed by at least two different students.
(R. Gradebæde)	
PR2, Greade book	
CID GRICZD = RZ.CID	$nR_1.6DP = R_2.6DP \left(R_1 \times R_2\right)$
	Task 4
a) $\Pi_{\text{Name}}(\Pi_{\text{SID}}((\sigma_{\text{Class}=2}\text{Courses}) \bowtie (\sigma_{\text{Mark}=A \text{ or N}}))$	Mark=BGradebook)) ⋈ Students)
Name	
Narren	
b) $(\Pi_{\text{Name}}(\Pi_{\text{SID}}((\sigma_{\text{Class}=1}\text{Courses}) \bowtie (\sigma_{\text{Mark}=A \text{ or }})))$	
$(\Pi_{\text{Name}}(\Pi_{\text{SID}}((\sigma_{\text{Class}=2}\text{Courses})\bowtie(\sigma_{\text{Mark}=A \text{ or }})))$	r Mark=BGradebook)) ⋈ Students))
Name	
Warren	

