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edicated design
ality ratio
A 1.1

Assignment No. 1

a 1] Cardinality ratios often de of a database. The cardina

depends on real-world meaning of entity type involved and defined by specific

4:4

application For Pollowing binary relationships. suggest cardinality ratio based on common

sence meaning of entity type State assumptions you state.

Entity 1 Condition Entity? Ans

(Cardinality Ratio)

Student M:M Student

Country

Student Explanation -

nt so Many-to-Many Ratio 2) Many student take single class and many class have every students. Thus

Many-to-Many Rotio 3) One class have only one Instructor while same instructor for many classes

Teacher

Instructor Carrent-President Aadhar No

1) Many Students have a single Teacher and Many teacher teaches single stude

Thus, Many-to-One Ratio

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	4) Every country have unique presidence
	So, One-to-one ratio
	5) Student have unique audhar-no and
	andhar-no is associated with particular
	Student only, 80 one-to-one ratio
200	
8.51	Consider following statement for database that keeps truck of business trip of
-	sales person in sales office-
	Salesperson (SSD, Name, Start-year, Dept-no)
Marine Service	Trip (SSD. from-city, to-city, Departure -date
	return-date, Trip-id)
	Expense (Trip-id, Account #, Amount)
-	A trip can charged to one or more account
-	Specify foreign keys for this schema,
	stating any assumptions you make
Ans.	For Schema-
	Salesperson, Trip, Expense
-	The foreign keys are-
	1) SSN > For Salesperson and Trip.
	2) Trip-id -> For Trip and Expense.