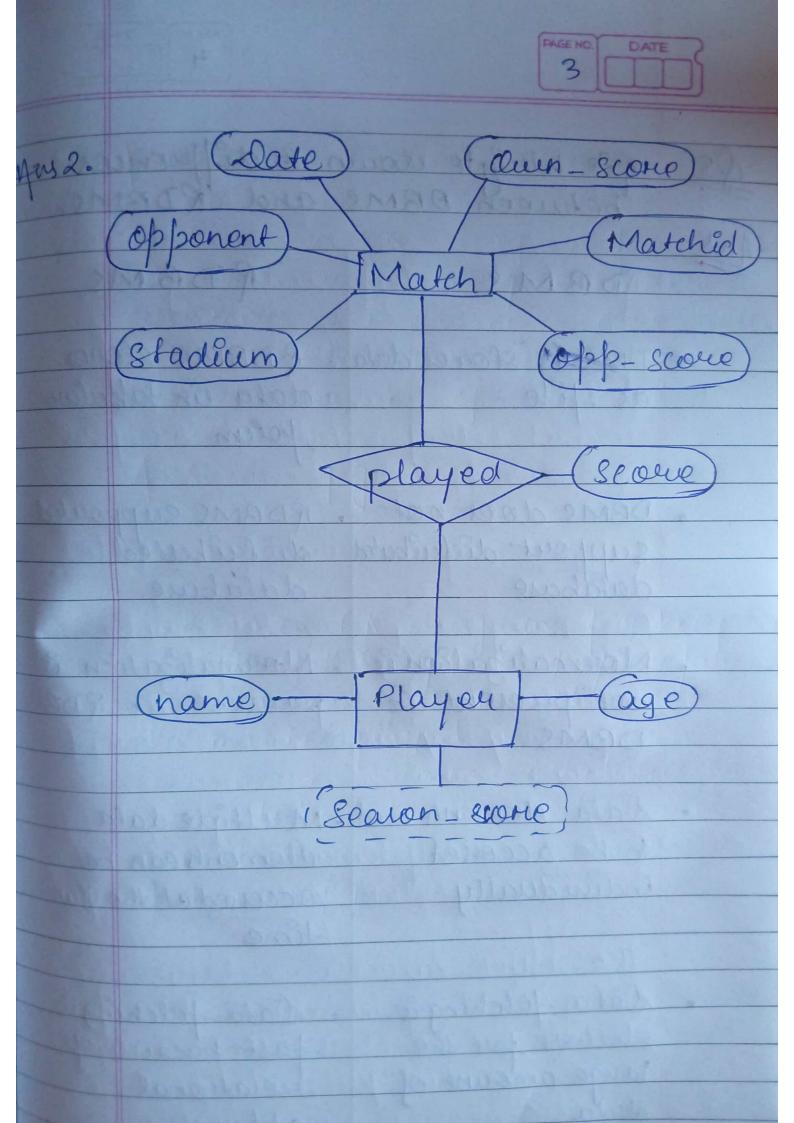


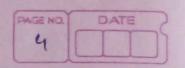
Assignment 1.

Q1. Construct an ER- diagram don a care insurance company whose eustomens our or more cour each. Each caux has associated with ut zero to any no. of recorded Ans - pg 2. accidents

32. Designan ER diagram for kopping cheack of the explaits of your fair spout team. You should store the matches played, the scores in each match . Gummary statisfics should be modelled as derivered attributes. Ans - pg 3.

(adduers) duiver-id own Person duliver Participated (Model -Accident ocation report number Damage Amount





120 hbigte down & diffuences between BBMS and RDBMS. PDBMS DBMS · DISBMI stocces data. PDBMS stones data in tabular as file Journ . DBMS does not . RDBMS supported support distributed distributed dellaboure databage . Normalization is. Normalization is not present en pursent in RDBM DBMS · Data elements need. Multiple data to be accessed elements ear be Endividually accessed at the game time Data fetching is slower for the · Data Jetching is fast because of large amount of vielational data approch

PAGE HO. DATE

	DBMS	RDBMS
	Held late 153 agare	
	The data in DBMS	. Their exists multiple
	is subject to low	levels of data
	security levels	precurity in RDBMS.
	with regards	as suspended her
	to data manipulation	
and the	To all the selections	Kansa Sono no.
e	Low Kafferare	, nigher postervaire
	and hardware	and hardware
	necesseties	nece suities.
	DBMS is meant	. PDBMs is derigned
	to be for small	to handle large
	sugarization and	amount of data. 9
	deal with small	a cumany long
	data . A	Salar america
	1+ supports	· Support Multiple
	At supports single user	· Support Multiple
	1 0	
10	Examples:-	Examples:
	XML, Window	My SQL, SQL Henner
	Registry, etc.	· Oracle, Microsoft
	Martin Mallala	Acces, etc.

Q4

Explain Codd's 12 rules fou RDBMS aves.

- Rule 1. :- Information Rule.

A database contains various Enformation and other information must be stored in each cell of a table in the form of revues 4 colourns.

> Pule 20 :- yuaranteed Access Pule

Every single ou purelise data may be excessed togically form from a vielational database using the combination of puimary key value, table name, of evolution name.

Pule 3. 3- Bystematic Tueatment of NULL Values

The Much values in a dasabase must be given a systematic and uniform theorem. I Mull can be unterpreted as one of the following clasa is missing, unknown data or data that is not applicable.

-> Rule 4. :- Active Online latalog.

This viepueients the entire logically structure of the descriptive database that must be yourd online and is known as a database distionary. It authorizes users to access the database and impliment a fimiliar query language to access the database.

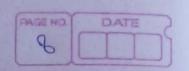
Rule 5. :- Comptrehensine Data Sulanguage Pule

A database can only be accessed using a language having linear system syntax that supports data manipulation and treansaction management operations.

This language can directly be used on by means of some application. If the database allows access to data without any help of this language, then ut is considered as a Violetian.

> Pule 6. :- View Updating Pule.

All the views of a database, which ear theoretically be updated; must also



be updatable by the System.

Rule 7. :- Relational Level Operation Chigh Level Insert, Update, Deleteral

A database system should follow highlevel wellstonal oferation such as insert, update and delete in each level or a fingle now. It also supposets union, Entersection and minus operation in the database system.

Pule 6.: Physical Data Independence

All stored data in a database or an application must be physically independent to access the database. Each database should not depend on other data or an application. If data is updated or the physical structure of the database is changed it will not show any offect on external application that are accessing the data from the database.

- > Pule 9. 3- Logical Data Independence
- Any change in logical data must not affect the application using it, it must be independent of its users
- -> Rule 10. :- In tegrity Independence Puls
 - A database prust maintain untegrity

 Endependence when inserting data

 unto table's ealls using the 8QL

 query language. All entered values

 should not be changed or creely on any

 external factor or application to

 maintain integrity. It is also

 helpful in making the database

 endependent for each pront-end

 application.
 - > Pule 11. 0- Distribution Independence
 Rule
 - the end-user must not be able to see that the data is distributed over navious location. Users should always get the impuession that the data is located at one piets only. This rule has been.

