## Assignment No-1

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ROII NO -12

Title - Study of Open source Relational Database - MysQL.

Objectives - To learn and understand open source relational database.

Outcomes - Students will be able to learn concept of relational database.

Hardware Requirement - Any CPU with pretnum processor, 256 MB RAM, IGB H.O.

Software Requirement - Ubuntu 14 05, Myscol

Theory -

A database management system is a collection of interrelated data and set of programs to access those data. The collection of data, usuall reffers to as the database, contains info relevent to enterprices.

Database Applications -Banking Transactions

Airlines

Universities - registration, grade.

Sales - Gustomers, products

Manufacturing - production, inventory lorders Online Retailers - order tracking,

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Data Model -

Relational Model

Entity - relational data model

Object - based data models

Semistructured data model.

Other older models-

Network model

Hierarchical model

A database is a means of storing info in such a way that info can be retreived from it. In simple terms reladatabase is a sense that it is a collection of objects of same type.

and administer relational database.

MysGl open source PDMS Overview -

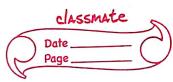
mysQL is a popular open source relational database management system choice for web-based applications. Developers, database administrators and Devops team use MysQL to build and manage next generation web and cloud based applications.

Datatypes in MysQL-It includes numeric type I date and time types and static types. Additionally, MysQL will map certain data types from other DBMses to MysQL data types for easier protability.

Install Mysgl on Ubuntu 14.04
Step-1- There are two ways to install mysgl.

To install Mysgl this way rupdate the package index on your server and install the package will apt-get.

Sudo apt-get update sudo apt-get install mysgl - server Step-2 - Configure Mysql - First, you'll want to run the included security script. This changes some of the less secure default options bon things like remote root logins and sample users. · sudo mysql\_secure-installation This will prompt for the root passward you created in step one. Jou can press enter to accept defaults for all subsequent questions Next, we'll initialize the Mysgl data directory which Mysgl stores its data. m+391 - version. If jou're using version entier than 5.7.6 you should initialize the data directory by running mysql-install-db. sudo mysql-install db.



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+	Step-3- Testing-
	Regardless how you installed it, Mysel should
	have started running automaticulty.
	To test this, check its status.
	service mysql status.
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	Step-4- Log in NySQL-
	sudo mysql -u root -p
	Jou will be prompted for password. After log
_	in you encan see mysq! > prompt to execute
	queries:
	Conclusion
	In this assignment, we have studied.
	concept of relational databases, MySQL DISMS
	and steps to install Mysgr on ubuntu O.s.
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