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A Report On

“HOSTEL MANAGEMENT DATABASE”

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CERTIFICATE

Certifies that the project work titled **“HOSTEL MANAGEMENT DATABASE”** is a work carried out by **SHRIVATSA M JOSHI(4NI19IS095),SREEVATSA S K(4NI19IS100),SUJAY MUDGAL (4NI19IS101)** in partial fulfilment for the requirements of the fourth semester BE in Information Science & Engineering prescribed by The National Institute of Engineering, Autonomous Institution under Visvesvaraya Technological University, Belagavi. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated. The Project report has been approved as it satisfies the academic requirements in respect of the project work prescribed for the fourth semester in Data Base Laboratory.

Signature of Guides

Signature of HOD

Signature of Principal

1.

2.

Name of examiner

Signature with date

1.

2.

ABSTRACT

'Hostel management database' provides a detailed view of how the students records, room allocation and courses. The hostel management system also equipped with some special features for helping hostel admin. Each record in the system has unique identity and it can be searched by an unique id. Use of this project in the hostel reduce the paper work in the hostel and also improves to the students of the hostel and admin.

Hostel management database is a desktop application for managing hostel records. *Hostel management database* helps hostel admin in managing records of the hostel in an efficient manner. These projects manage records of the students, hostel rooms and other things related to the hostel.

The manual way of hostel record management it is very difficult to find the record of all students their USN and about them and the information of about students who are accessing the internet with their ip address.

The main objective of developing Hostel management database is to save money and time. The proposed system generates following reports to help management of the hostel in decision making.

Use of this project in the hostel reduce the paper work in the hostel and also helps us to store the information about students in the hostel and rooms .

ACKNOWLEDGEMENT

The success and the final outcome of this project required a lot of guidance and assistance from many people and we are extremely fortunate to have got this all along the completion of project work.

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TABLE OF CONTENTS

Sl. No.	Chapter	Page No.
1. Introduction		1
2. Proposed System		1
3. Data Design		3
4. Entity relationship diagram		7
5. Implementation		8
6. Test-case Queries		13
CONCLUSION		14
REFERENCES		14

1. INTRODUCTION

A hostel is an establishment which provides inexpensive food and lodging for a specific group of people, such as students, workers. **Hostels** are types of residences that provide tenants with common spaces to meet up. Thus, the **students** will live in a single or shared room, and will be able to take advantage of these common spaces to meet other **students** and carry out their daily activities. In hostel maintaining the students data such as their names and their room no and their Contact numbers. The main aim of this system is to develop that will conveying ever lasting solution to manual entries in hostel and make available a channel through which manager or hostel in charge can maintain the records easily by saving it digitally. They can be accessed whatever place they might find themselves.

OBJECTIVE:- It keeps track of all information about the students in the hostel, their contact numbers and total number of students staying in Hostel. The manager or hostel in charge will find it easy in this automated system rather than using the manual records. The system contains a database where all the information will be stored safely.

2.PROPOSED SYSTEM

Hostel Room Allocation System is a database which aims at computerization of the current procedure of allocating hostel rooms. Currently, the process involves students filling up the forms and submitting them in respective hostel offices which involve a lot of paperwork, hence less efficient.

3.DATA DESIGN

3.1 Entities and Attributes

This section of the document explains the entities used in the project, their attributes and how they will work together. Basically, this is intended to make the design more easy and understandable for everyone.

Entities

- **Address**
- **Hostel**
- **Internet**
- **Student**
- **Student_in_out**
- **Student_tran**
- **Visitor**

1.Address:- It is used to store the address of students.

Attributes

Name	Data Type	Key
ADD_PIN	INTEGER	PRIMARY ATTRIBUTE
ADD_CITY	VARCHAR	NON_KEY ATTRIBUTE
ADD_STATE	VARCHAR	NON_KEY ATTRIBUTE
ADD_COUNTRY	VARCHAR	NON_KEY ATTRIBUTE

2. Hostel:- An Institution has many hostels and each hostel is represented using this 'Hostel' entity. Hostel model takes part in the following relationships.. Hostel has Students. Hostel has Rooms. Tells how many hostels are there

Attributes

Name	Data Type	Key
H_NAME	VARCHAR	NON_KEY ATTRIBUTE
CAPACITY	INTEGER	NON_KEY ATTRIBUTE
HOSTEL_NO	INTEGER	PRIMARY ATTRIBUTE
F_SPORTS	VARCHAR	NON_KEY ATTRIBUTE
F_NEWSPAP_NAME	VARCHAR	NON_KEY ATTRIBUTE
F_MESS_id	VARCHAR	NON_KEY ATTRIBUTE
VACANT_ROOMS	INTEGER	NON_KEY ATTRIBUTE

3. Internet:-This table is used to store the ip address who are accessing internet with their room no.

Attributes

Name	Data Type	Key
HOSTEL_NO	INTEGER	PRIMARY ATTRIBUTE
ROOM_NO	INTEGER	PRIMARY ATTRIBUTE
IP_ADDRESS	VARCHAR	NON_KEY ATTRIBUTE

4. Student:-This table is used for the student details like their name, rollno Email, date of birth, age, contact no.

Attributes

Name	Data Type	Key
ROLL_NO	VARCHAR	PRIMARY ATTRIBUTE
FIRST_NAME	VARCHAR	NON_KEY ATTRIBUTE
LAST_NAME	VARCHAR	NON_KEY ATTRIBUTE
ROOM_NO	INTEGER	NON_KEY ATTRIBUTE
MAIL_ID	VARCHAR	NON_KEY ATTRIBUTE
DOB	DATE-TIME FIELD	NON_KEY ATTRIBUTE
AGE	INTEGER	NON_KEY ATTRIBUTE
CONTACT_NO	BIG INTEGER	NON_KEY ATTRIBUTE
ADD_HOUSE_NO	INTEGER	NON_KEY ATTRIBUTE
ADD_PIN	INTEGER	FOREIGN ATTRIBUTE
ADD_STREET	VARCHAR	NON_KEY ATTRIBUTE

5. Student In out-This table gives information about student arrival and their leaving time and date.

Attributes

Name	Data Type	Key
RECORD_NO	INTEGER	PRIMARY ATTRIBUTE
ROLL_NO	VARCHAR	FOREIGN ATTRIBUTE
STUDENT_ARR	TIMESTAMP FIELD	NON_KEY ATTRIBUTE
STUDENT_DEP	TIMESTAMP FIELD	NON_KEY ATTRIBUTE

6. Student Tran -This table gives information about student attendance and which hostel they live in.

Attributes

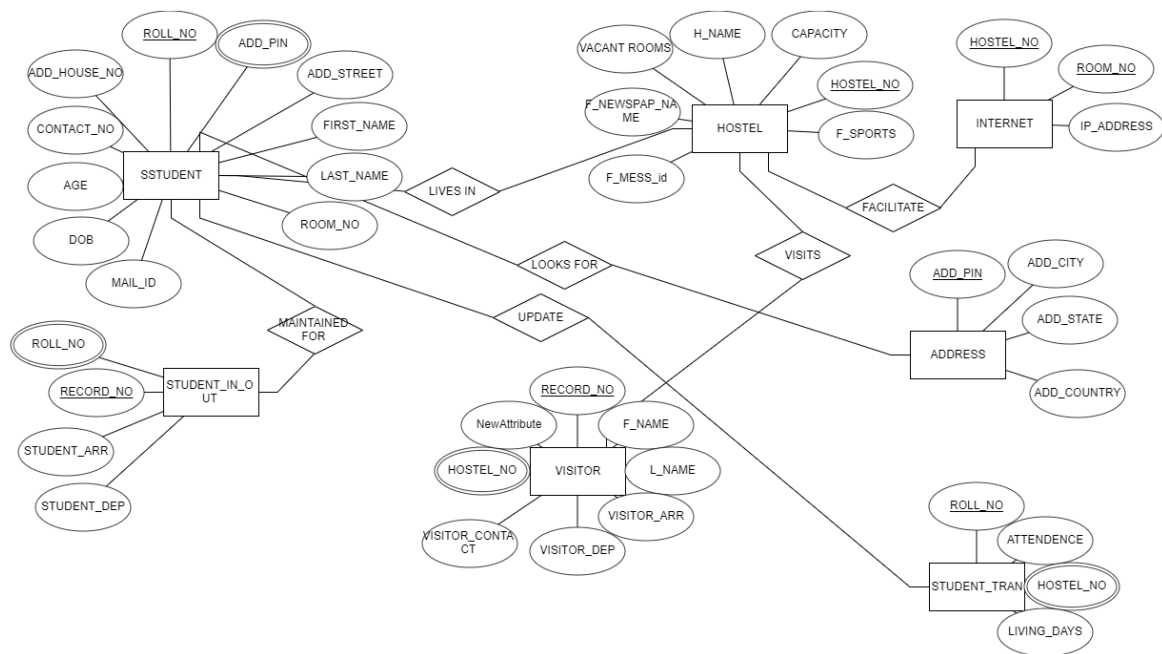
Name	Data Type	Key
ROLL_NO	VARCHAR	PRIMARY ATTRIBUTE
ATTENDANCE	VARCHAR	NON_KEY ATTRIBUTE
HOSTEL_NO	INTEGER	FOREIGN ATTRIBUTE
LIVING DAYS	INTEGER	NON_KEY ATTRIBUTE

7. Visitor -This table gives information about visitor their contact no and also timings they visited.

Attributes

Name	Data Type	Key
RECORD_NO	INTEGER	PRIMARY ATTRIBUTE
F_NAME	VARCHAR	NON_KEY ATTRIBUTE
L_NAME	VARCHAR	NON_KEY ATTRIBUTE
VISITOR_ARR	TIMESTAMP FIELD	NON_KEY ATTRIBUTE
VISITOR_DEP	TIMESTAMP FIELD	NON_KEY ATTRIBUTE
VISITOR_CONTACT	BIG INTEGER	NON_KEY ATTRIBUTE
HOSTEL_NO	INTEGER	FOREIGN ATTRIBUTE

4.ENTITY RELATIONSHIP DIAGRAM



5.IMPLEMENTATION

Creating Address table:

```
mysql> desc address;
```

Field	Type	Null	Key	Default	Extra
ADD_PIN	int	NO	PRI	NULL	
ADD_CITY	varchar(30)	YES		NULL	
ADD_STATE	varchar(40)	YES		NULL	
ADD_COUNTRY	varchar(20)	YES		NULL	

```
4 rows in set (0.00 sec)
```

```
mysql> select*from address;
```

ADD_PIN	ADD_CITY	ADD_STATE	ADD_COUNTRY
208002	kanpur	uttar pradesh	INDIA
222001	jaunpur	uttar pradesh	INDIA
226001	lucknow	uttar pradesh	INDIA
261001	sitapur	uttar pradesh	INDIA
261207	sitapur	uttar pradesh	INDIA
273001	gorakhpur	uttar pradesh	INDIA
273002	gorakhpur	uttar pradesh	INDIA
274001	deoria	uttar pradesh	INDIA
423203	malegaon	maharashtra	INDIA
452001	indore	madhya pradesh	INDIA
474011	gwalior	madhya pradesh	INDIA
483773	katni	madhya pradesh	INDIA
824112	barun	rajasthan	INDIA

```
13 rows in set (0.00 sec)
```

Creating student table:

```
mysql> desc student;
```

Field	Type	Null	Key	Default	Extra
ROLL_NO	varchar(15)	NO		NULL	
FIRST_NAME	varchar(25)	NO	PRI	NULL	
LAST_NAME	varchar(25)	YES		NULL	
ROOM_NO	int	YES		NULL	
MAIL_ID	varchar(50)	YES		NULL	
DOB	date	YES		NULL	
AGE	int	YES		NULL	
CONTACT_NO	bigint	YES		NULL	
ADD_HOUSE_NO	int	YES		NULL	
ADD_PIN	int	NO	MUL	NULL	
ADD_STREET	varchar(15)	YES		NULL	

11 rows in set (0.01 sec)

```
mysql> select*from student;
```

ROLL_NO	FIRST_NAME	LAST_NAME	ROOM_NO	MAIL_ID	DOB	AGE	CONTACT_NO	ADD_HOUSE_NO	ADD_PIN	ADD_STREET
2011110	PANKAJ	SINGH	7	ppsingh@gmail.com	1995-07-04	21	7588861231	7	483773	Imtiya
2012013	ANKIT	JHAROTIYA	19	ankit126@gmail.com	1993-02-06	23	7898422792	9	432001	raja bagh
2013109	SONU	MEENA	8	sonu.meena@gmail.com	1994-09-05	22	9829074706	2	824112	indira road
2014009	ALOK	SINGH	49	aloks2573@gmail.com	1996-11-10	20	8109537085	78	273001	padrona
2014013	ANANT	UPADHYAY	30	anant131995@gmail.com	1995-08-12	21	8889795330	40	273002	civil line
2014014	ANKIT	GUPTA	31	ankit.fauji@gmail.com	1995-05-27	21	7783958558	20	222001	civil line
2014022	ARFAT	YADAV	140	yadavarf1@gmail.com	1995-09-20	21	8989711506	3	226001	gandhi street
2014049	KRISHNA	YADAV	52	kkyadav11itm@gmail.com	1995-08-04	21	8719987060	26	273001	Police colony
2014078	SAURABH	SHARMA	46	spsgaurav@gmail.com	1996-07-31	20	9111186037	6	208002	old_cnb
2014079	SHANTANU	TRIPATHI	47	shantanu.akt@gmail.com	1996-07-11	20	8435564615	18	261001	civil line
2014102	VIKAS	YADAV	29	vksyvy@gmail.com	1996-06-28	20	8718863298	26	274001	patel nagar
2014103	VIPIN	KUMAR	43	vipin11july1995@gmail.com	1995-07-11	21	9455235148	17	261207	anand nagar
2014116	BUDDHPRIY	MAURY	53	skm.bpm@gmail.com	1995-01-15	21	8462072647	48	273001	kushinagar
2015116	ANKIT	KUMAR	140	amitkumar.11itm@gmail.com	1990-12-25	26	9425778033	25	474011	lashkar
2015123	RAJ	VERMA	25	rajv@gmail.com	2001-11-23	24	9988556644	47	474011	JVLR
2015666	ROHIT	KUMAR	22	rohit868@gmail.com	1998-01-21	21	7584865221	87	226001	Patel Road
2016254	SHASHANK	RAO	24	tsme@gmail.com	2001-11-23	24	9988556644	47	474011	JVLR

17 rows in set (0.00 sec)

Creating table hostel:

```
mysql> desc hostel;
```

Field	Type	Null	Key	Default	Extra
H_NAME	varchar(15)	NO		NULL	
CAPACITY	int	NO		NULL	
HOSTEL_NO	int	NO	PRI	NULL	
F_SPORTS	varchar(15)	YES		NULL	
F_NEWSPAP_NAME	varchar(20)	YES		NULL	
F_MESS_id	varchar(5)	YES		NULL	
VACANT_ROOMS	int	YES		NULL	

7 rows in set (0.00 sec)

```
mysql> select*from hostel;
```

H_NAME	CAPACITY	HOSTEL_NO	F_SPORTS	F_NEWSPAP_NAME	F_MESS_id	VACANT_ROOMS
A-BLOCK	120	1	TT	THE HINDU	M-1	20
B-BLOCK	150	2	SNOOKER	INDIAN EXPRESS	M-2	20
C-BLOCK	120	3	TT	TIMES OF INDIA	M-3	24

3 rows in set (0.00 sec)

Creating table Internet:-

```
mysql> desc internet;
```

Field	Type	Null	Key	Default	Extra
HOSTEL_NO	int	NO	PRI	NULL	
ROOM_NO	int	NO	PRI	NULL	
IP_ADDRESS	varchar(16)	YES		NULL	

3 rows in set (0.00 sec)

```
mysql> select*from internet;
```

HOSTEL_NO	ROOM_NO	IP_ADDRESS
1	20	192.168.64.241
1	210	192.168.64.201
2	20	192.168.64.21
2	120	192.168.64.107
3	204	192.168.64.121
3	320	192.168.64.22

6 rows in set (0.00 sec)

Creating table Student:

```
mysql> desc student;
```

Field	Type	Null	Key	Default	Extra
ROLL_NO	varchar(15)	NO	PRI	NULL	
FIRST_NAME	varchar(25)	NO		NULL	
LAST_NAME	varchar(25)	YES		NULL	
ROOM_NO	int	YES		NULL	
MAIL_ID	varchar(50)	YES		NULL	
DOB	date	YES		NULL	
AGE	int	YES		NULL	
CONTACT_NO	bigint	YES		NULL	
ADD_HOUSE_NO	int	YES		NULL	
ADD_PIN	int	NO	MUL	NULL	
ADD_STREET	varchar(15)	YES		NULL	

11 rows in set (0.01 sec)

```
mysql> select*from student;
```

ROLL_NO	FIRST_NAME	LAST_NAME	ROOM_NO	MAIL_ID	DOB	AGE	CONTACT_NO	ADD_HOUSE_NO	ADD_PIN	ADD_STREET
2011110	PANKAJ	SINGH	7	ppsingh@gmail.com	1995-07-04	21	7588961231	7	483773	mttiya
2012013	ANKIT	JHAROTIYA	19	ankiti26@gmail.com	1993-02-06	23	7898422792	9	452001	raja bagh
2013109	SONU	MEENA	8	sonu.meena@gmail.com	1994-09-05	22	9829074706	2	824112	indira road
2014009	ALOK	SINGH	49	aloks2573@gmail.com	1996-11-10	20	8109537085	78	273001	padrona
2014013	ANANT	UPADHYAY	30	ananti31995@gmail.com	1995-08-12	21	8889795330	40	273002	civil line
2014014	ANIKET	GUPTA	31	aniket.fauji@gmail.com	1995-05-27	21	7783958558	20	222001	civil line
2014022	ARPIT	YADAV	140	yadavarpi3@gmail.com	1995-09-20	21	8989711506	3	226001	gandhi street
2014049	KRISHNA	YADAV	52	kkyadavi11tm@gmail.com	1995-08-04	21	8719987060	26	273001	Police colony
2014078	SAURABH	SHARMA	46	sppgaurav@gmail.com	1996-07-31	20	9111186037	6	208002	old_cnb
2014079	SHANTANU	TRIPATHI	47	shantanu.akt@gmail.com	1996-07-11	20	8435364615	18	261001	civil line
2014102	VIKAS	YADAV	29	viksyvy@gmail.com	1996-06-28	20	8718863298	26	274001	patel nagar
2014103	VIPTIN	KUMAR	43	vipini11july1995@gmail.com	1995-07-11	21	9455235148	17	261207	anand nagar
2014116	BUDDHPRIY	MAURY	53	skm.bpm@gmail.com	1995-01-15	21	8462072647	48	273001	kushinagar
2015116	ANKIT	KUMAR	140	amitkumar.itiitn@gmail.com	1990-12-25	26	9425778033	25	474011	lashkar
2015123	RAJ	VERMA	25	rajv@gmail.com	2001-11-23	24	9988556644	47	474011	JVLR
2015666	ROHIT	KUMAR	22	rohit66@gmail.com	1998-01-21	21	7584565221	87	226001	Patel Road
2016254	SHASHANK	RAO	24	itsme@gmail.com	2001-11-23	24	9988556644	47	474011	JVLR

17 rows in set (0.00 sec)

Creating table Student_in_out:-

```
mysql> desc student_in_out;
```

Field	Type	Null	Key	Default	Extra
RECORD_NO	int	NO	PRI	NULL	
ROLL_NO	varchar(15)	NO	MUL	NULL	
STUDENT_ARR	timestamp	YES		NULL	
STUDENT_DEP	timestamp	YES		NULL	

```
4 rows in set (0.00 sec)
```

```
mysql> select * from student_in_out;
```

RECORD_NO	ROLL_NO	STUDENT_ARR	STUDENT_DEP
1	2013109	2016-04-12 23:02:46	2016-04-13 23:03:02
2	2014014	2016-04-21 21:03:54	2016-04-22 20:04:07
3	2014022	2016-04-22 23:04:36	2016-04-22 04:05:06
4	2011110	2016-12-14 11:25:32	2016-12-15 21:25:21
5	2014049	2017-02-01 08:44:12	2017-02-02 21:00:00
6	2014116	2017-05-17 12:05:00	2017-05-19 22:00:45

```
6 rows in set (0.00 sec)
```

Creating table Student_tran:-

```
mysql> desc student_tran;
```

Field	Type	Null	Key	Default	Extra
ROLL_NO	varchar(15)	NO	PRI	NULL	
ATTENDANCE	varchar(2)	YES		NULL	
HOSTEL_NO	int	YES	MUL	NULL	
LIVING_DAYS	int	YES		NULL	

```
4 rows in set (0.01 sec)
```

```
mysql> select*from student_tran;
```

ROLL_NO	ATTENDANCE	HOSTEL_NO	LIVING_DAYS
2011110	P	2	26
2013109	P	2	26
2014009	P	2	20
2014013	P	2	24
2014014	P	2	24
2014022	P	2	24
2014049	P	2	20
2014078	P	3	25
2014079	P	3	25
2014102	P	2	24
2014103	P	2	20
2014116	P	2	26
2015116	P	3	25
2015123	P	1	40
2015666	P	1	29
2016254	P	1	14

```
16 rows in set (0.00 sec)
```

Creating table Visitor:-

```
mysql> desc visitor;
```

Field	Type	Null	Key	Default	Extra
RECORD_NO	int	NO	PRI	NULL	
F_NAME	varchar(15)	NO		NULL	
L_NAME	varchar(15)	YES		NULL	
VISITOR_ARR	timestamp	YES		NULL	
VISITOR_DEP	timestamp	YES		NULL	
VISITOR_CONTACT	bigint	YES		NULL	
HOSTEL_NO	int	YES	MUL	NULL	

```
7 rows in set (0.00 sec)
```

```
mysql> select*from visitor;
```

RECORD_NO	F_NAME	L_NAME	VISITOR_ARR	VISITOR_DEP	VISITOR_CONTACT	HOSTEL_NO
1	ARUN	TRIPATHI	2016-04-04 23:08:19	2016-04-04 23:08:24	9839943548	2
2	SP	SHARMA	2016-04-13 23:09:06	2016-04-14 23:09:13	9792177883	3
3	SATISH	KUNAR	2016-06-24 11:55:00	2016-06-25 10:22:24	8457858955	1
4	LOKESH	JAIN	2016-07-12 09:15:10	2016-07-12 12:05:12	9654781235	1
5	SAMEER	SETH	2016-07-25 22:14:48	2016-07-26 13:25:47	7841126955	1
6	AKASH	MJ	2017-01-02 10:12:44	2017-01-02 13:10:13	9145287777	3

```
6 rows in set (0.00 sec)
```


6.TEST-CASE QUERIES

1. To see the no. of rooms vacant-

SELECT vacant_room FROM hostel WHERE HOSTEL_NO =1;

```
mysql> #To see the no. of rooms vacant
mysql> SELECT vacant_rooms FROM hostel WHERE HOSTEL_NO =1;
+-----+
| vacant_rooms |
+-----+
|          20 |
+-----+
1 row in set (0.00 sec)
```

2. To get total info of hostel-

SELECT * FROM hostel WHERE hostel_no=1;

```
mysql> #To get total info about a hostel
mysql> SELECT * FROM hostel WHERE hostel_no=1 ;
+-----+-----+-----+-----+-----+-----+-----+
| H_NAME | CAPACITY | HOSTEL_NO | F_SPORTS | F_NEWSPAP_NAME | F_MESS_id | VACANT_ROOMS |
+-----+-----+-----+-----+-----+-----+-----+
| A-BLOCK |      120 |          1 | TT        | THE HINDU       | M-1        |          20   |
+-----+-----+-----+-----+-----+-----+-----+
1 row in set (0.00 sec)
```

3. To get info of visitors to a particular hostel-

SELECT *FROM VISITOR WHERE hostel_no=2;

```
mysql> #To get info of visitors to a particular hostel
mysql> SELECT *FROM VISITOR WHERE hostel_no=2;
+-----+-----+-----+-----+-----+-----+-----+
| RECORD_NO | F_NAME | L_NAME | VISITOR_ARR | VISITOR_DEP | VISITOR_CONTACT | HOSTEL_NO |
+-----+-----+-----+-----+-----+-----+-----+
|          1 | ARUN   | TRIPATHI | 2016-04-04 23:08:19 | 2016-04-04 23:08:24 | 9839943548 |          2 |
+-----+-----+-----+-----+-----+-----+-----+
1 row in set (0.01 sec)
```

```
SELECT STUDENT_ARR,STUDENT_DEP,FROM
STUDENT_IN_OUT WHERE roll_no='2013109';
```

. To check total capacity of a particular hostel-

6. To select student info from room no-

```
mysql> #To Select info of students from a Particular Room
mysql> SELECT * FROM student WHERE ROOM_NO=140;
```

ROLL_NO	FIRST_NAME	LAST_NAME	ROOM_NO	MAIL_ID	DOB	AGE	CONTACT_NO	ADD_HOUSE_NO	ADD_PIN	ADD_STREET
2014022	ARPTT	YADAV	140	yadavarptt@gmail.com	1995-09-20	21	89897711506	3	226001	gandhi street
2015116	ANKIT	KUMAR	140	amitkumar.11tm@gmail.com	1990-12-25	26	9425778033	25	474011	lashkar

```
2 rows in set (0.00 sec)
```

7. To check if a student is present in hostel or on leave on a particular-

SELECT ATTENDANCE,HOSTEL_NO FROM student_TRAN
WHERE roll_no='2014102';

```
mysql> #To check if a student is present in hostel or on leave
mysql> SELECT HOSTEL_NO,ATTENDANCE FROM student_TRAN WHERE roll_no='2014102';
+-----+-----+
| HOSTEL_NO | ATTENDANCE |
+-----+-----+
|          2 | P          |
+-----+-----+
1 row in set (0.00 sec)
```

8. To check the newspaper supply in hostels:-

SELECT HOSTEL_NO,F_NEWSPAP_NAME FROM
HOSTEL Group by HOSTEL_NO;

```
mysql> #To Check The Newspaper Supply in Hostels
mysql> SELECT HOSTEL_NO,F_NEWSPAP_NAME FROM HOSTEL Group By HOSTEL_NO;
+-----+-----+
| HOSTEL_NO | F_NEWSPAP_NAME |
+-----+-----+
|          1 | THE HINDU       |
|          2 | INDIAN EXPRESS  |
|          3 | TIMES OF INDIA  |
+-----+-----+
3 rows in set (0.00 sec)
```

9. To select the list of students born in 1995:-

SELECT FIRST_NAME FROM student where DOB like
'1995____';

```
mysql> #To select the list of students born in 1995
mysql> SELECT FIRST_NAME FROM student where DOB like '1995____';
+-----+
| FIRST_NAME |
+-----+
| PANKAJ     |
| ANANT      |
| ANIKET     |
| ARPIT      |
| KRISHNA    |
| VIPIN      |
| BUDDHPRIY |
+-----+
7 rows in set (0.00 sec)
```

10.To display the Total no.of.days students spent in the hostel all together:-

SELECT sum(LIVING_DAYS) FROM student_tran;

```
mysql> #To display the Total No.Of.Days Students Spent in the hostel all together
mysql> SELECT sum(LIVING_DAYS) FROM student_tran;
+-----+
| sum(LIVING_DAYS) |
+-----+
|                392 |
+-----+
1 row in set (0.00 sec)
```

11.To display the no.of.visitors of a hostel:-

SELECT count(RECORD_NO) as NO_OF_VISITORS from visitors where HOSTEL_NO =3;

```
mysql> #To Display the no.of.vistors of a hostel
mysql> SELECT count(RECORD_NO) as NO_OF_VISITORS from visitor where HOSTEL_NO =3;
+-----+
| NO_OF_VISITORS |
+-----+
|                2 |
+-----+
1 row in set (0.00 sec)
```

CONCLUSION

- SQL database management application which is very well used in the modern world in organising and manipulating a database.
- It also shows how relationships are established with the concepts of primary and foreign key within a table.
- Depending on the user or users, if an organisation has multiple users then they should go for SQL server based application.
- This project shows how to create tables in SQL and how to create simple data manipulation language and data definition language with how to execute them.

REFERENCES

- <https://erdplus.com/standalone>