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Database Design and Applications

**Assignment**

Submitted By:

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1. Create a table student with given data:

CREATE TABLE Student

(

IDNO varchar2(11) primary key,

Name varchar2(64) not null,

Room Integer,

Hostel char(2) ,

CGPA Number(2,2) Check(CGPA<=10)

);

insert into Student values('2000A7PS177','Raoul',222,'AK',8.8);

insert into Student values('2001A7PS098','Kapil',143,'RM',7.9);

insert into Student values('2001A7PS588','Sriram',175,'RP',10.0);

insert into Student values('2000A7PS721','Nikhil',112,'RM',9.2);

insert into Student values('2001A3PS588','Mouli',121,'BD',7.5);

commit;

1. Select the list of students whose CGPA > 8.5.

**Ans:** Select \* from Student where CGPA >8.5;

1. Print the normalized CGPA with respect to the highest CGPA in batch 2016.

**Ans:** Select MAX(CGPA) from Student;

1. Select the average CGPA in batch 2000.

**Ans:** SELECT AVG(CGPA) FROM Student WHERE IDNO LIKE '2000%';

1. Print BITS email ids of all students.

**Ans:** SELECT CONCAT(SUBSTRING(IDNO, 1, 12), '@wilp.bits-pilani.ac.in') AS mailId FROM Student;

1. Make a copy of the table using CREATE TABLE student\_backup AS SELECT \* from student

**Ans:** Create table student\_backup As select \* from Student;

1. Delete all rows from table student (Try using TRUNCATE).

**Ans:** TRUNCATE TABLE Student;