

Birla Institute of Technology & Science, Pilani
Work-Integrated Learning Programmes Division
First Semester 2018-2019

(Assignment)

Course No. : SS ZG518
Course Title : Database Design and Applications
Nature of Exam : Open Book
Weightage : 10 %
Duration : 1st November to 10th November 2018

1. Create a table student with these attributes:

Name	Type	Length	Is Nullable?	Is Key	Constraints
IDNO	VARCHAR2	11	NO	Primary	
NAME	VARCHAR2	64	NO		
ROOM	INTEGER		YES		
HOSTEL	CHAR	2	YES		
CGPA	NUMBER	2,2	YES		<10 and >0

Insert the following data:

IDNO	NAME	ROOM	HOSTEL	CGPA
2000A3PS177	Raoul	222	AK	8.8
2001A7PS098	Kapil	143	RM	7.9
2000A7PS588	Sriram	175	RP	10.0
2001A7PS721	Nikhil	112	RM	9.2
2001A3PS588	Mouli	121	BD	7.5

Now perform these tasks:

1. Select the list of students whose CGPA > 8.5.
2. Print the normalized CGPA with respect to the highest CGPA in batch 2016.
3. Select the average CGPA in batch 2000.
4. Print BITS email ids of all students. (Use SUBSTR(COLNAME,INDEX,LENGTH) and CONCAT(COLNAME1,COLNAME2/EXPRESSION))
5. Make a copy of the table using CREATE TABLE student_backup AS SELECT * from student
6. Delete all rows from table student (Try using TRUNCATE).

[2+2+6 = 10M]