

## Assignment – 1

(a) Create the following table: DEPARTMENT:

Column Name	Data Type	Size	Constraints
DeptCode	Varchar2	4	Primary key
DeptName	Varchar2	50	Not null
Student_allottedNumber		4	Not null

```
create table DEPARTMENT2076(  
DeptCode char(4) primary key,  
DeptName varchar2(50) not null,  
Student_alloted number(4) not null  
);
```

(b) Display the structure of the table Department

```
SQL> Desc DEPARTMENT2076  
Name                               Null?    Type  
-----  
DEPTCODE                          NOT NULL CHAR(4)  
DEPTNAME                          NOT NULL VARCHAR2(50)  
STUDENT_ALLOTED                   NOT NULL NUMBER(4)
```

(c) Insert data into the table.

```
insert into DEPARTMENT2076 values('CSE','Computer Science and Engineering',120);  
insert into DEPARTMENT2076 values('ECE','Electronics and Communication  
Engineering',120);  
insert into DEPARTMENT2076 values('IT','Information Technology',60);  
insert into DEPARTMENT2076 values('EE','Electrical Engineering',60);
```

(d) Display data of table Department

```
SQL> select * from DEPARTMENT2076;  
  
DEPT DEPTNAME                               STUDENT_ALLOTED  
----  
CSE  Computer Science and Engineering        120  
ECE  Electronics and Communication Engineering 120  
IT   Information Technology                   60  
EE   Electrical Engineering                  60
```

**(e) Create the following table: STUDENT**

Column Name	Data Type	Size	Constraints
RollNo	Number	6	Primary Key
Name	Varchar2	20	Not null
Address	Varchar2	25	Not null
PhoneNo	Number	10	
YearOfAdm	Number	4	Not null
DeptCode	Varchar2	4	Not null
Semester	Varchar2	4	Not null
BirthDate	Date		Not null

```
create table STUDENT2076(  
RollNO number(6) primary key,  
Name varchar2(20) not null,  
Address varchar2(25) not null,  
PhoneNo number(10),  
YearOfAdm number(4) not null,  
DeptCode varchar2(4) not null,  
Semester varchar2(4) not null,  
BirthDate Date not null);
```

**(f) Display the structure of the table Student.**

TABLE STUDENT2076

Column	Null?	Type
ROLLNO	NOT NULL	NUMBER(6,0)
NAME	NOT NULL	VARCHAR2(20)
ADDRESS	NOT NULL	VARCHAR2(25)
PHONENO	-	NUMBER(10,0)
YEAROFADM	NOT NULL	NUMBER(4,0)
DEPTCODE	NOT NULL	VARCHAR2(4)
SEMESTER	NOT NULL	VARCHAR2(4)
BIRTHDATE	NOT NULL	DATE

**(g) Insert data into the table.**

```
INSERT INTO STUDENT2076 values(1001,'ANKIT DAS','VIP
Road,Kolkata',9830675221,2017,'CSE','SEM5',to_date('10-02-1999','DD-MM-YYYY'));
INSERT INTO STUDENT2076 values(1002,'MOINAK GHOSH','MG
Road,Kolkata',7988822201,2015,'CSE','SEM5',to_date('01-05-1998','DD-MM-YYYY'));
INSERT INTO STUDENT2076 values(1003,'PARIMAL KUMAR','NSB
Road,Birati',8099922211,2016,'CSE','SEM5',to_date('17-03-2001','DD-MM-YYYY'));
INSERT INTO STUDENT2076 VALUES (2001, 'SANCHITA SINGH', 'Tegharia, Kolkata',
9999110011, 2017, 'ECE', 'SEM5', TO_DATE('20-10-2000', 'DD-MM-YYYY'));
INSERT INTO STUDENT2076 VALUES (2002, 'ANANYA BISWAS', 'MG Road, Howrah',
7667880010, 2017, 'ECE', 'SEM5', TO_DATE('05-11-2001', 'DD-MM-YYYY'));
INSERT INTO STUDENT2076 VALUES (2101, 'ASHISH KUMAR', 'Baguiati, Kolkata',
6544332121, 2017, 'ECE', 'SEM5', TO_DATE('17-09-2001', 'DD-MM-YYYY'));
INSERT INTO STUDENT2076 VALUES (1029, 'NAITIK PRASAD', 'KGR path, Belgharia', NULL,
2018, 'CSE', 'SEM3', TO_DATE('08-10-2003', 'DD-MM-YYYY'));
INSERT INTO STUDENT2076 VALUES (4011, 'SATNAM JYOTI', 'Garia, Kolkata', 8933322125,
2018, 'IT', 'SEM3', TO_DATE('21-09-2002', 'DD-MM-YYYY'));
INSERT INTO STUDENT2076 VALUES (3002, 'SAURAV ROY', 'Chandannagar', NULL, 2017, 'EE',
'SEM5', TO_DATE('23-08-2000', 'DD-MM-YYYY'));
INSERT INTO STUDENT2076 VALUES (3005, 'MOHAMMAD AZIB', 'Saltlake', 7910000666,
2017, 'EE', 'SEM5', TO_DATE('20-05-2001', 'DD-MM-YYYY'));
INSERT INTO STUDENT2076 VALUES (2004, 'NIKHIL SINGH', 'Central Howrah', NULL, 2016,
'ECE', 'SEM5', TO_DATE('21-06-1999', 'DD-MM-YYYY'));
INSERT INTO STUDENT2076 VALUES (1023, 'SAMPRIKTA BISWAS', 'Barrackpore',
8877565643, 2018, 'CSE', 'SEM3', TO_DATE('13-12-2003', 'DD-MM-YYYY'));
INSERT INTO STUDENT2076 VALUES (1011, 'RAHUL KHAN', 'Jadavpur, Kolkata', NULL, 2017,
'CSE', 'SEM5', TO_DATE('07-07-2001', 'DD-MM-YYYY'));
INSERT INTO STUDENT2076 VALUES (1060, 'SHUBHAM', 'Sealdah, Kolkata', 9833221098,
2017, 'CSE', 'SEM3', TO_DATE('09-08-2003', 'DD-MM-YYYY'));
INSERT INTO STUDENT2076 VALUES (2009, 'GAURAV PRAKASH', 'Saltlake', NULL, 2018, 'ECE',
'SEM3', TO_DATE('10-04-2004', 'DD-MM-YYYY'));
INSERT INTO STUDENT2076 VALUES (3008, 'RAHUL JOSHI', 'AB block, Saltlake', 9980765123,
2018, 'EE', 'SEM3', TO_DATE('20-06-2003', 'DD-MM-YYYY'));
INSERT INTO STUDENT2076 VALUES (4200, 'MRIGENDRA', 'Belur, Howrah', NULL, 2019, 'IT',
'SEM1', TO_DATE('01-07-2004', 'DD-MM-YYYY'));
INSERT INTO STUDENT2076 VALUES (1500, 'SUBARNA MITRA', 'Gariahat, Kolkata',
6987654322, NULL, 'CSE', 'SEM3', TO_DATE('02-01-2003', 'DD-MM-YYYY'));
INSERT INTO STUDENT2076 VALUES (1101, 'AMARITA DEV', 'CG Block, Saltlake', NULL, 2019,
'CSE', 'SEM1', TO_DATE('06-01-2004', 'DD-MM-YYYY'));
```

**(h ) Display data of table Student**

ROLLNO	NAME	ADDRESS	PHONENO	YEAROFADM	DEPTCODE	SEMESTER	BIRTHDATE
1001	ANKIT DAS	VIP Road,Kolkata	9830675221	2017	CSE	SEM5	10-FEB-99
1002	MOINAK GHOSH	MG Road,Kolkata	7988822201	2015	CSE	SEM5	01-MAY-98
1003	PARIMAL KUMAR	NSB Road,Birati	8099922211	2016	CSE	SEM5	17-MAR-01
2001	SANCHITA SINGH	Tegharia, Kolkata	9999110011	2017	ECE	SEM5	20-OCT-00
2002	ANANYA BISWAS	MG Road, Howrah	7667880010	2017	ECE	SEM5	05-NOV-01
2101	ASHISH KUMAR	Baguiati, Kolkata	6544332121	2017	ECE	SEM5	17-SEP-01
1029	NAITIK PRASAD	KGR path, Belgharia	-	2018	CSE	SEM3	08-OCT-03
4011	SATNAM JYOTI	Garia, Kolkata	8933322125	2018	IT	SEM3	21-SEP-02
3002	SAURAV ROY	Chandannagar	-	2017	EE	SEM5	23-AUG-00
3005	MOHAMMAD AZIB	Saltlake	7910000666	2017	EE	SEM5	20-MAY-01
2004	NIKHIL SINGH	Central Howrah	-	2016	ECE	SEM5	21-JUN-99
1023	SAMPRIKTA BISWAS	Barrackpore	8877565643	2018	CSE	SEM3	13-DEC-03
1011	RAHUL KHAN	Jadavpur, Kolkata	-	2017	CSE	SEM5	07-JUL-01
1060	SHUBHAM	Sealdah, Kolkata	9833221098	2017	CSE	SEM3	09-AUG-03
2009	GAURAV PRAKASH	Saltlake	-	2018	ECE	SEM3	10-APR-04
3008	RAHUL JOSHI	AB block, Saltlake	9980765123	2018	EE	SEM3	20-JUN-03
4200	MRIGENDRA	Belur, Howrah	-	2019	IT	SEM1	01-JUL-04
1101	AMARITA DEV	CG Block, Saltlake	-	2019	CSE	SEM1	06-JAN-04