



## **SWE1004 Lab Sheet 1**

**(L 9 + L10)**

### **Questions:**

1. Create table for the following schema:

**student(regno, sname, cgpa)**

#### **SQL Query :**

```
create table student(regno varchar(9), sname varchar(20), cgpa
number(2));
```

2. Create table for the following schema:

**course(ccode, cname, credits)**

#### **SQL Query :**

Ans: -----?

```
create table course(ccode varchar(10), cname varchar(20), credits
number(5));
```

3. Create table for the following schema:

**faculty(empid, fname, designation, salary)**

```
create table faculty(empid varchar(10), fname varchar(20),
designation varchar(20), salary number(20));
```

#### **Output:**

```
SQL> desc faculty;
Name                               Null?    Type
-----
EMPID                              VARCHAR2(10)
FNAME                              VARCHAR2(20)
DESIGNATION                         VARCHAR2(20)
SALARY                             NUMBER(20)

SQL> desc course;
Name                               Null?    Type
-----
CCODE                              VARCHAR2(10)
CNAME                              VARCHAR2(20)
CREDITS                            NUMBER(5)

SQL> desc student;
Name                               Null?    Type
-----
REGNO                              VARCHAR2(10)
SNAME                              VARCHAR2(20)
CGPA                               NUMBER(2)
```

## Exercise:

1. Create table for the following schema:

*DEPOSIT (A\_NO, CNAME, BNAME, AMOUNT, ADATE)*

*BORROW (LOANNO, CNAME, BNAME, AMOUNT)*

*CUSTOMERS (CNAME, CITY)*

SQL Query:

```
create table DEPOSIT(A_NO number(10), CNAME varchar(20), BNAME  
varchar(20), AMOUNT number(10), ADATE date);
```

```
create table borrow(loanno number(20), cname varchar(20), bname  
varchar(20), amount number(20));
```

```
create table customers(cname varchar(20), city varchar(20));
```

Output:

```
SQL> desc DEPOSIT;  
Name                               Null?    Type  
-----  
A_NO                               NUMBER(10)  
CNAME                              VARCHAR2(20)  
BNAME                              VARCHAR2(20)  
AMOUNT                             NUMBER(10)  
ADATE                              DATE
```

```
SQL> desc borrow  
Name                               Null?    Type  
-----  
LOANNO                             NUMBER(20)  
CNAME                              VARCHAR2(20)  
BNAME                              VARCHAR2(20)  
AMOUNT                             NUMBER(20)
```

```
SQL> desc customers  
Name                               Null?    Type  
-----  
CNAME                              VARCHAR2(20)  
CITY                               VARCHAR2(20)
```

2. Create the suitable tables for the following:

EMPLOYEE						
EMPLOYEEID	FIRSTNAME	LASTNAME	SALARY	JOININGDATE	DEPARTMENT	GENDER
1	Sriram	Kumar	60000	01-DEC-2013	IT	Male
2	Shanthi	Devi	50000	10-OCT-2014	HR	Female
3	Sham	Sundar	100000	20-DEC-2014	IT	Male
4	Ram	Kishan	43000	20-DEC-2014	HR	Male
5	Rahul	Dravid	83000	20-DEC-2014	Payroll	Male
6	Mahesh	Kumar	35000	20-DEC-2014	HR	Male
PROJECT						
PROJECTID	EMPLOYEEID	PROJECTNAME				
1	1	Project1				
2	1	Project2				
3	1	Project3				
4	2	Project4				
5	3	Project5				
6	3	Project6				
7	3	Project7				
8	4	Project8				
9	5	Project9				

### SQL Query :

```
SQL> create table EMPLOYEE(EMPLOYEEID number(20),FIRSTNAME varchar(30),LASTNAME varchar(30),SALARY FLOAT, JOININGDATE DATE,DEPARTMENT varchar(30),GENDER varchar(15));
Table created.
```

```
SQL> create table PROJECT(PROJECTID FLOAT,EMPLOYEEID FLOAT,PROJECTNAME varchar(50));
Table created.
```