

A. Create table SUBJECT and insert appropriate values.

```
CREATE TABLE SUBJECT(  
SUBJECTCODE VARCHAR2(4) NOT NULL PRIMARY KEY,  
SUBJECTNAME VARCHAR2(15) NOT NULL,  
FACULTYCODE VARCHAR2(4) NOT NULL,  
FOREIGN KEY (FACULTYCODE) REFERENCES FACULTY (FACULTYCODE));
```

```
INSERT INTO SUBJECT VALUES('CS01', 'DBMS', 'FHH');  
INSERT INTO SUBJECT VALUES('IT01', 'SOFTWARE', 'FAA');  
INSERT INTO SUBJECT VALUES('CS02', 'OS', 'FBB');  
INSERT INTO SUBJECT VALUES('PH01', 'LIGHT', 'FCC');  
INSERT INTO SUBJECT VALUES('M01', 'ALGEBRA', 'FDD');  
INSERT INTO SUBJECT VALUES('HU01', 'CHARECTER', 'FEE');
```

```
SQL> SELECT * FROM SUBJECT;
```

SUBJ	SUBJECTNAME	FACU
CS01	DBMS	FHH
IT01	SOFTWARE	FAA
CS02	OS	FBB
PH01	LIGHT	FCC
M01	ALGEBRA	FDD
HU01	CHARECTER	FEE

6 rows selected.

B. Find the number of faculties in each department with their department name.

```
SQL> SELECT DEPTCODE, COUNT(*) FROM FACULTY GROUP BY DEPTCODE;
```

DEPT	COUNT(*)
IT	1
CSE	2
PHYS	1
MTHS	1
HUM	1

c. Increment the salary of each faculty by Rs 500.

6 rows selected.

```
SQL> UPDATE FACULTY SET SALARY = SALARY + 500.00;
```

6 rows updated.

D. Find the names of students and faculties whose name start with 'S'.

```
SQL> (SELECT NAME FROM STUDENT WHERE NAME LIKE 'S%') UNION (SELECT FACULTYNAME FROM FACULTY WHERE facultyname LIKE 'S%');  
NAME  
-----  
Saibal  
Samik  
Santanu  
Srija  
Srijita
```

E. Find the students who stay in Kaikhali

```
SQL> SELECT * FROM STUDENT WHERE ADDRESS = 'Kaikhali';
```

REGNO	ROLLNO	NAME	ADDRESS	PHONENO	YEAROFADM	DEPT
	YEAR	BIRTHDAT	COLLEGE	PHONENUMBER		
12424	124024	Ipsita	Kaikhali	25739608	2004	CSE
	2	15-08-82	25739607			
12424	124024	Ipsita	Kaikhali	25739608	2004	CSE
	2	15-08-82	25739607			
12424	124024	Ipsita	Kaikhali	25739608	2004	CSE
	2	15-08-82	25739607			

F. Find the names of faculties who take classes in the IT department.

```
SQL> SELECT FACULTYNAME FROM FACULTY WHERE DEPTCODE = 'IT';  
  
FACULTYNAME  
-----  
IVY MAM
```

G. Find the names of all faculties whose HOD is given.

```
SQL> SELECT * FROM DEPARTMENT WHERE HOD IS NOT NULL;
```

DEPT	DEPTNAME	HOD
CSE	COMPUTER	AK
PHYS	ELECTRONIC	IM
IT	INFOTECH	SS
BBA	COMPAPP	SC
HUM	HUMANITIES	DC
MTHS	MATHS	KKS

```
6 rows selected.
```