**SQL – QUERIES**

***I. SCHEMAS***

*Table 1 :* ***STUDIES***

PNAME (VARCHAR), SPLACE (VARCHAR), COURSE (VARCHAR), CCOST (NUMBER)

*Table 2 :* ***SOFTWARE***

PNAME (VARCHAR), TITLE (VARCHAR), DEVIN (VARCHAR), SCOST (NUMBER), DCOST (NUMBER), SOLD (NUMBER)

*Table 3 :* ***PROGRAMMER***

PNAME (VARCHAR), DOB (DATE), DOJ (DATE), SEX (CHAR), PROF1 (VARCHAR), PROF2 (VARCHAR), SAL (NUMBER)

**LEGEND :**

PNAME – Programmer Name, SPLACE – Study Place, CCOST – Course Cost, DEVIN – Developed in, SCOST – Software Cost, DCOST – Development Cost, PROF1 – Proficiency 1

***QUERIES :***

1. *Find out the selling cost average for packages developed in Oracle.*

*Ans:* select AVG(SCOST) from SOFTWARE where devin='oracle'

1. *Display the names, ages and experience of all programmers.*

*Ans:select pname,year(getdate())-year(dob) age,cast(year(getdate())-year(doj) as varchar) +'.'+ cast(month((getdate())-month(doj)) as varchar)experience from programmer*

1. *Display the names of those who have done the PGDCA course.*

*Ans: select PNAME from STUDIES where COURSE = 'PGDCA'*

1. *Display the lowest course fee.*

*Ans:Select MIN(CCOST) from STUDIES*

1. *How many programmers have done the DCA course.*

*Ans:*select count(PNAME) as [Total no of programmers studied DCA course] from STUDIES where COURSE='DCA'

1. *Display the details of software developed by Rakesh.*

*Ans: select TITLE,DEVIN,SCOST,DCOST,SOLD from SOFTWARE where PNAME='rakesh'*

1. *How many programmers studied at Pentafour.*

*Ans: select count(PNAME) from STUDIES where SPLACE='pentafour'*

1. *Display the details of packages for which the development cost has been recovered.*

*Ans:select TITLE,DEVIN,SCOST,DCOST,SOLD from SOFTWARE*

*where (SCOST\*SOLD)>=DCOST*

1. *What is the price of costliest software developed in VB?*

*Ans: select MAX(SCOST) as costliest from SOFTWARE where DEVIN='VB'*

1. *How many packages were developed in Oracle ?*

*Ans: select count(TITLE) as ORACLEcount from SOFTWARE where TITLE='ORACLE'*