HandsOn 2\_1,2\_2:

==================================

create database Handson1;

use Handson1;

create table Trainer\_Info (

Trainer\_Id varchar(20) primary key,

Salutation varchar(7),

Trainer\_Name varchar(30),

Trainer\_Location varchar(30),

Trainer\_Track varchar(15),

Trainer\_Qualification varchar(100),

Trainer\_Experiance int,

Trainer\_Email varchar(100),

Trainer\_Password varchar(20)

);

drop table Trainer\_Info;

insert into Trainer\_Info(Trainer\_Id,Salutation,Trainer\_Name,Trainer\_Location,Trainer\_Track,Trainer\_Qualification,Trainer\_Experiance,Trainer\_Email,Trainer\_Password) values

('F001','Mr.','PANKAJ GHOSH','Pune','Java','Bachelor of Technology',12,'Pankaj.Ghosh@alliance.com','fac1@123'),

('F002','Mr.','SANJAY RADHAKRISHNAN' ,'Bangalore','DotNet','Bachelor of Technology',12,'Sanjay.Radhakrishnan@alliance.com','fac2@123'),

('F003','Mr.','VIJAY MATHUR','Chennai','Mainframe','Bachelor of Technology',10,'Vijay.Mathur@alliance.com','fac3@123'),

('F004','Mrs.','NANDINI NAIR','Kolkata','Java','Master of Computer Applications',9,'Nandini.Nair@alliance.com','fac4@123'),

('F005','Miss.','ANITHA PAREKH','Hyderabad','Testing','Master of Computer Applications',6,'Anitha.Parekh@alliance.com','fac5@123'),

('F006','Mr.','MANOJ AGRAWAL' ,'Mumbai','Mainframe','Bachelor of Technology',9,'Manoj.Agrawal@alliance.com','fac6@123'),

('F007','Ms.','MEENA KULKARNI','Coimbatore','Testing','Bachelor of Technology',5,'Meena.Kulkarni@alliance.com','fac7@123'),

('F009','Mr.','SAGAR MENON' ,'Mumbai','Java','Master of Science In Information Technology',12,'Sagar.Menon@alliance.com','fac8@123');

select \* from Trainer\_Info;

create table Batch\_Info

(

Batch\_Id varchar(20) primary key,

Batch\_Owner varchar(30),

Batch\_BU\_Name varchar(30)

);

insert into Batch\_info(Batch\_Id,Batch\_Owner,Batch\_BU\_Name) values

('B001','MRS.SWATI ROY','MSP'),

('B002','MRS.ARURNA K','HEALTHCARE'),

('B003','MR.RAJESH KRISHNAN','LIFE SCIENCES'),

('B004','MR.SACHIN SHETTY','BFS'),

('B005','MR.RAMESH PATEL','COMMUNICATIONS'),

('B006','MRS.SUSAN CHERIAN','RETAIL & HOSPITALITY'),

('B007','MRS.SAMPADA JAIN','MSP'),

('B008','MRS.KAVITA REGE','BPO'),

('B009','MR.RAVI SEJPAL','MSP');

select \* from Batch\_Info;

create table Module\_Info

(

Module\_Id varchar(20) primary key,

Module\_Name varchar(40),

Module\_Duration int

);

insert into Module\_Info(Module\_Id,Module\_Name,Module\_Duration)values('O10SQL','Oracle 10g SQL ',16),

('O10PLSQL','Oracle 10g PL/ SQL ',16),

('J2SE','Core Java SE 1.6',288),

('J2EE','Advanced Java EE 1.6',80),

('JAVAFX','JavaFX 2.1',80),

('DOTNT4','.Net Framework 4.0 ',50),

('SQL2008','MS SQl Server 2008',120),

('MSBI08','MS BI Studio 2008',158),

('SHRPNT','MS Share Point ',80),

('ANDRD4','Android 4.0',200),

('EM001','Instructor',0),

('EM002','Course Material',0),

('EM003','Learning Effectiveness',0),

('EM004','Environment',0),

('EM005','Job Impact',0),

('TM001','Attendees',0),

('TM002','Course Material',0),

('TM003','Environment',0);

select \* from Module\_Info;

create table Associate\_Info(

Associate\_Id varchar(20) primary key,

Salutation varchar(7),

Associate\_Name varchar(30),

Associate\_Location varchar(30),

Associate\_Track varchar(15),

Associate\_Qualification varchar(200),

Associate\_Email varchar(100),

Associate\_Password varchar(20)

);

insert into Associate\_Info (Associate\_Id,Salutation,Associate\_Name,Associate\_Location,Associate\_Track,Associate\_Qualification,Associate\_Email,Associate\_Password) values

('A001','Miss.','GAYATHRI NARAYANAN','Gurgaon','Java','Bachelor of Technology','Gayathri.Narayanan@hp.com','tne1@123'),

('A002','Mrs.','RADHIKA MOHAN','Kerala','Java','Bachelor of Engineering In Information Technology','Radhika.Mohan@cognizant.com','tne2@123'),

('A003','Mr.','KISHORE SRINIVAS','Chennai','Java','Bachelor of Engineering In Computers','Kishore.Srinivas@ibm.com','tne3@123'),

('A004','Mr.','ANAND RANGANATHAN','Mumbai','DotNet','Master of Computer Applications','Anand.Ranganathan@finolex.com','tne4@123'),

('A005','Miss.','LEELA MENON','Kerala','Mainframe','Bachelor of Engineering In Information Technology','Leela.Menon@microsoft.com','tne5@123'),

('A006','Mrs.','ARTI KRISHNAN','Pune','Testing','Master of Computer Applications','Arti.Krishnan@cognizant.com','tne6@123'),

('A007','Mr.','PRABHAKAR SHUNMUGHAM','Mumbai','Java','Bachelor of Technology','Prabhakar.Shunmugham@honda.com','tne7@123');

select \* from Associate\_Info;

create table Questions(

Question\_Id varchar(20) unique,

Module\_Id varchar(20),

Question\_Text varchar(900)

);

insert into Questions (Question\_Id,Module\_Id,Question\_Text) values

('Q001','EM001','Instructor knowledgeable and able to handle all your queries'),

('Q002','EM001','All the topics in a particular course handled by the trainer without any gaps or slippages'),

('Q003','EM002','The course materials presentation, handson, etc. refered during the training are relevant and useful.'),

('Q004','EM002','The Hands on session adequate enough to grasp the understanding of the topic.'),

('Q005','EM002','The reference materials suggested for each module are adequate.'),

('Q006','EM003','Knowledge and skills presented in this training are applicatible at your work'),

('Q007','EM003','This training increases my proficiency level '),

('Q008','EM004','The physical environment e.g. classroom space, air-conditioning was conducive to learning.'),

('Q009','EM004','The software/hardware environment provided was sufficient for the purpose of the training.'),

('Q010','EM005','This training will improve your job performance.'),

('Q011','EM005','This training align with the business priorities and goals.'),

('Q012','TM001','Participants were receptive and had attitude towards learning.'),

('Q013','TM001','All participats gained the knowledge and the practical skills after this training.'),

('Q014','TM002','The course materials presentation, handson, etc. available for the session covers the entire objectives of the course.'),

('Q015','TM002','Complexity of the course is adequate for the particpate level.'),

('Q016','TM002','Case study and practical demos helpful in understanding of the topic'),

('Q017','TM003','The physical environment e.g. classroom space, air-conditioning was conducive to learning.'),

('Q018','TM003','The software/hardware environment provided was adequate for the purpose of the training.');

select \* from Questions;

create table Associate\_Status(

Associate\_Id varchar(20),

Module\_Id varchar(20),

Start\_Date varchar(20),

End\_Date varchar(20),

AFeedbackGiven varchar(20),

TFeedbackGiven varchar(20)

);

alter table Associate\_Status add Batch\_Id varchar(20);

alter table Associate\_Status add Trainer\_Id varchar(20);

alter table Associate\_Status drop Start\_date;

alter table Associate\_Status drop End\_date;

alter table Associate\_status add Start\_date date;

alter table Associate\_status add End\_date date;

insert into Associate\_Status (Associate\_Id,Module\_Id,Batch\_Id,Trainer\_Id,Start\_Date,End\_Date) values

('A001','O10SQL','B001','F001','2000-12-15','2000-12-25'),

('A002','O10SQL','B001','F001','2000-12-15','2000-12-25'),

('A003','O10SQL','B001','F001','2000-12-15','2000-12-25'),

('A001','O10PLSQL','B002','F002','2001-2-1','2001-2-12'),

('A002','O10PLSQL','B002','F002','2001-2-1','2001-2-12'),

('A003','O10PLSQL','B002','F002','2001-2-1','2001-2-12'),

('A001','J2SE','B003','F003','2002-8-20','2002-10-25'),

('A002','J2SE','B003','F003','2002-8-20','2002-10-25'),

('A001','J2EE','B004','F004','2005-12-1','2005-12-25'),

('A002','J2EE','B004','F004','2005-12-1','2005-12-25'),

('A003','J2EE','B004','F004','2005-12-1','2005-12-25'),

('A004','J2EE','B004','F004','2005-12-1','2005-12-25'),

('A005','JAVAFX','B005','F006','2005-12-4','2005-12-20'),

('A006','JAVAFX','B005','F006','2005-12-4','2005-12-20'),

('A006','SQL2008','B006','F007','2007-6-21','2007-6-28'),

('A007','SQL2008','B006','F007','2007-6-21','2007-6-28'),

('A002','MSBI08','B007','F006','2009-6-26','2009-6-29'),

('A003','MSBI08','B007','F006','2009-6-26','2009-6-29'),

('A004','MSBI08','B007','F006','2009-6-26','2009-6-29'),

('A002','ANDRD4','B008','F005','2010-6-5','2010-6-28'),

('A005','ANDRD4','B008','F005','2010-6-5','2010-6-28'),

('A003','ANDRD4','B009','F005','2011-8-1','2011-8-20'),

('A006','ANDRD4','B009','F005','2011-8-1','2011-8-20');

select \*from Associate\_Status;

update Trainer\_Info

set Trainer\_Password='nn4@123'

where Trainer\_Id='F004';

delete from Associate\_status where Associate\_Id='A003' and Module\_Id='J2EE' and Batch\_Id='B004' and Trainer\_Id='F004' and Start\_Date='2005-12-1' and End\_Date='2005-12-25';

select \*from associate\_status;

select \* from Trainer\_Info

order by Trainer\_Experiance desc limit 5;

create table Login\_Details

(

User\_Id varchar (20),

User\_Password varchar (20)

);

insert into Login\_Details values('U001' ,'Admin1@123'),

('U002','Admin2@123');

select \*from Login\_Details;

drop table Login\_Details;

select \*from Login\_Details;

create table Trainer\_Feedback

(

Trainer\_Id varchar(20),

Question\_Id varchar(20),

Batch\_Id varchar(20),

Module\_Id varchar(20),

Trainer\_Rating int

);

insert into Trainer\_Feedback values(Trainer\_Id);

select trainer\_id from trainer\_info;

create table student\_Info

(

Reg\_Number varchar(30),

Student\_Name Varchar(30),

Branch Varchar(50),

Contact\_Number Varchar(50),

Date\_of\_Birth Date,

Date\_of\_Joining Date,

Address Varchar(250),

Email\_id Varchar(250)

);

insert into student\_Info (Reg\_Number,Student\_Name,Branch,Contact\_Number,Date\_of\_Birth,Date\_of\_Joining,Address,Email\_id ) values

('MC101301','James','MCA','9714589787','1984-01-12','2010-07-08','No 10,South Block,Nivea','james.mca@yahoo.com'),

('BEC111402','Manio','ECE','8912457875','1983-02-23','2011-06-25','8/12,Park View,Sieera','manioma@gmail.com'),

('BEEI101204','Mike','EI','8974567897', '1983-02-10',' 2010-08-25 ','Cross villa,NY','mike.james@ymail.com'),

('MB111305','Paulson','MBA','8547986123','1984-12-13','2010-08-08','Lake view,NJ','paul.son@rediffmail.com' );

select \* from student\_Info ;

create table Subject\_Master

(

Subject\_Code varchar(10),

Subject\_Name Varchar(70),

Weightage int

);

insert into Subject\_Master(Subject\_Code,Subject\_Name,Weightage)values

('EE01DCF','DCF',30),

('EC02MUP','Microprocessor',40),

('MC06DIP','Digital Image Processing', 30),

('MB03MAR','Marketing Techniques ', 20),

('EI05IP','Instrumentation Precision' ,40),

('CPSC02DS','Data Structures',40);

select \* from Subject\_Master;

drop table Subject\_Master;

create table Student\_Results

(

Reg\_Number Varchar(20),

Semester int,

GPA decimal (5,3),

Is\_Eligible\_Scholarship char(3)

);

insert into Student\_Results(Reg\_Number,Semester,GPA,Is\_Eligible\_Scholarship)values

('MC101301',1, 7.5,'Y'),

('BEC111402',1,7.1,'Y'),

('BEEI101204',1,8.3,'Y'),

('BEEI101204',2 ,6.9,'N'),

('MB111305' ,1,6.5,'N'),

('MB111305' ,2,6.8,'N');

select \* from Student\_Results;

create table Student\_Marks

(

Reg\_Number varchar(10),

Subject\_Code varchar (10),

Semester int,

Marks int

);

insert into Student\_Marks values

('MC101301','EE01DCF', 1 ,75),

('MC101301',' EC02MUP', 1 ,65),

('MC101301', 'MC06DIP', 1 ,70),

('BEC111402', 'EE01DCF ',1 ,55),

('BEC111402', 'EC02MUP', 1 ,80),

('BEC111402 ','MC06DIP', 1 ,60),

('BEEI101204', 'EE01DCF', 1, 85),

('BEEI101204', 'EC02MUP', 1 ,78),

('BEEI101204',' MC06DIP', 1, 80),

('BEEI101204', 'MB03MAR', 2, 75),

('BEEI101204', 'EI05IP', 2, 65),

('MB111305',' EC02MUP', 1, 68),

('MB111305',' MC06DIP', 1 ,63),

('MB111305',' MB03MAR ',2,85),

('MB111305',' EI05IP', 2, 74),

('MB111305',' CPSC02DS', 2 ,62);

select Marks,Subject\_Code,Semester from Student\_Marks;

select \* from Student\_Marks;

Handson 3\_1:

========================================

create database Handson3;

use Handson3;

create table Trainer\_Info(

Trainer\_Id varchar(20) primary key,

Salutation varchar(20) not null,

Trainer\_Name varchar(20) not null,

Trainer\_Location varchar(20) not null,

Trainer\_Track varchar(20) not null,

Trainer\_Qualification varchar(20) not null,

Trainer\_Experiance int not null,

Trainer\_Email varchar(20) not null,

Trainer\_Password varchar(20) not null

);

create table Batch\_Info(

Batch\_Id varchar(20) primary key,

Batch\_Owner varchar(20) not null,

Batch\_BU\_Name varchar(20)

);

create table Module\_Info(

Module\_Id varchar(20) primary key,

Module\_Name varchar(20) not null,

Module\_Duration varchar(20) not null

);

create table Associate\_Info(

Associate\_Id varchar(20) primary key,

Salutation varchar(20) not null,

Associate\_Name varchar(20) not null,

Associate\_Location varchar(20) not null,

Associate\_Track varchar(20) not null,

Associate\_Qualification varchar(20) not null,

Associate\_Email varchar(20) not null,

Associate\_Password varchar(20) not null

);

create table Questions(

Question\_Id varchar(20) primary key,

Module\_Id varchar(20) REFERENCES Module\_Info(Module\_Id),

Question\_Text varchar(200) not null

);

create table Associate\_Status(

Associate\_Id varchar(20) not null REFERENCES Associate\_Info(Associate\_Id),

Module\_Id varchar(20) not null REFERENCES Module\_Info(Module\_Id),

Batch\_Id varchar(20) not null REFERENCES Batch\_Info(Batch\_Id),

Trainer\_Id varchar(20) not null REFERENCES Trainer\_Info(Trainer\_Id),

Start\_Date date,

End\_Date date,

AFeedbackGiven varchar(20),

TFeedbackGiven varchar(20)

);

create table Trainer\_Feedback(

Trainer\_Id varchar(20) not null REFERENCES Trainer\_Info(Trainer\_Id),

Question\_Id varchar(20) not null REFERENCES Questions(Question\_Id),

Batch\_Id varchar(20) not null REFERENCES Batch\_Info(Batch\_Id),

Module\_Id varchar(20) not null REFERENCES Module\_Info(Module\_Id),

Trainer\_Rating int not null

);

create table Associate\_Feedback(

Associate\_Id varchar(20) not null REFERENCES Associate\_Info(Associate\_Id),

Question\_Id varchar(20) not null REFERENCES Questions(Question\_Id),

Module\_Id varchar(20) not null REFERENCES Module\_Info(Module\_Id),

Associate\_Rating int not null

);

create table Product(

productID int primary key,

productname varchar(20),

productprice int not null

);

insert into product(productID, productname, productprice)values

(1,'A Dongle',290),

(2,'B Dongle',1250);

insert into product(productID, productname)values

(3,'C Dongle');

create table user

(

userID varchar(10) primary key,

productID int references product(productID),

username varchar(20)

);

drop table user;

insert into User(userID, productID, username) values

('U001',1,'Ramesh'),

('U002',11,'Mahesh');

select \* from User;

========================

Handson 3\_2

====================================

create database Handson3\_1;

use Handson3\_1;

create table Student\_Info

(

Reg\_Number varchar(20) primary key,

Student\_Name varchar(30) not null,

Branch varchar(30),

Contact\_Number varchar(30),

Date\_of\_Birth date,

Date\_of\_Joining date

);

insert into student\_Info (Reg\_Number,Student\_Name,Branch,Contact\_Number,Date\_of\_Birth,Date\_of\_Joining ) values

('MC101301','James','MCA','9714589787','1984-01-12','2010-07-08'),

('BEC111402','Manio','ECE','8912457875','1983-02-23','2011-06-25'),

('BEEI101204','Mike','EI','8974567897', '1983-02-10',' 2010-08-25 '),

('MB111305','Paulson','MBA','8547986123','1984-12-13','2010-08-08');

create table subject\_master

(

Subject\_Code varchar(10) primary key,

Subject\_Name varchar(30) not null,

Weightage int not null

);

insert into Subject\_Master(Subject\_Code,Subject\_Name,Weightage)values

('EE01DCF','DCF',30),

('EC02MUP','Microprocessor',40),

('MC06DIP','Digital Image Processing', 30),

('MB03MAR','Marketing Techniques ', 20),

('EI05IP','Instrumentation Precision' ,40),

('CPSC02DS','Data Structures',40);

create table Student\_Marks

(

Reg\_Number varchar(20) references student\_info(Reg\_Number),

subject\_Code varchar(20),

semester int,

marks int

);

insert into Student\_Marks values

('MC101301','EE01DCF', 1 ,75),

('MC101301',' EC02MUP', 1 ,65),

('MC101301', 'MC06DIP', 1 ,70),

('BEC111402', 'EE01DCF ',1 ,55),

('BEC111402', 'EC02MUP', 1 ,80),

('BEC111402 ','MC06DIP', 1 ,60),

('BEEI101204', 'EE01DCF', 1, 85),

('BEEI101204', 'EC02MUP', 1 ,78),

('BEEI101204',' MC06DIP', 1, 80),

('BEEI101204', 'MB03MAR', 2, 75),

('BEEI101204', 'EI05IP', 2, 65),

('MB111305',' EC02MUP', 1, 68),

('MB111305',' MC06DIP', 1 ,63),

('MB111305',' MB03MAR ',2,85),

('MB111305',' EI05IP', 2, 74),

('MB111305',' CPSC02DS', 2 ,62);

create table Student\_Results

(

Reg\_Number Varchar(20),

Semester int not null,

GPA decimal (5,3) not null,

Is\_Eligible\_Scholarship char(3)

);

insert into Student\_Results(Reg\_Number,Semester,GPA,Is\_Eligible\_Scholarship)values

('MC101301',1, 7.5,'Y'),

('BEC111402',1,7.1,'Y'),

('BEEI101204',1,8.3,'Y'),

('BEEI101204',2 ,6.9,'N'),

('MB111305' ,1,6.5,'N'),

('MB111305' ,2,6.8,'N');

===================

Handson 4\_1

===============================

create database Handson4\_1;

use Handson4\_1;

create table Trainer\_Info (

Trainer\_Id varchar(20) unique,

Salutation varchar(7),

Trainer\_Name varchar(30),

Trainer\_Location varchar(30),

Trainer\_Track varchar(15),

Trainer\_Qualification varchar(100),

Trainer\_Experiance int,

Trainer\_Email varchar(100),

Trainer\_Password varchar(20)

);

drop table Trainer\_Info;

insert into Trainer\_Info (Trainer\_Id,Salutation,Trainer\_Name,Trainer\_Location,Trainer\_Track,Trainer\_Qualification,Trainer\_Experiance,Trainer\_Email,Trainer\_Password) value

('F001','Mr.','PANKAJ GHOSH','Pune','Java','Bachelor of Technology',12,'Pankaj.Ghosh@alliance.com','fac1@123'),

('F002','Mr.','SANJAY RADHAKRISHNAN ','Bangalore','DotNet','Bachelor of Technology',12,'Sanjay.Radhakrishnan@alliance.com','fac2@123'),

('F003','Mr.','VIJAY MATHUR','Chennai','Mainframe','Bachelor of Technology',10,'Vijay.Mathur@alliance.com','fac3@123'),

('F004','Mrs.','NANDINI NAIR','Kolkata','Java','Master of Computer Applications',9,'Nandini.Nair@alliance.com','fac4@123'),

('F005','Miss.','ANITHA PAREKH','Hyderabad','Testing','Master of Computer Applications',6,'Anitha.Parekh@alliance.com','fac5@123'),

('F006','Mr.','MANOJ AGRAWAL ','Mumbai','Mainframe','Bachelor of Technology',9,'Manoj.Agrawal@alliance.com','fac6@123'),

('F007','Ms.','MEENA KULKARNI','Coimbatore','Testing','Bachelor of Technology',5,'Meena.Kulkarni@alliance.com','fac7@123'),

('F009','Mr.','SAGAR MENON ','Mumbai','Java','Master of Science In Information Technology',12,'Sagar.Menon@alliance.com','fac8@123');

select \* from Trainer\_Info where Trainer\_Email=null;

select Trainer\_Id,Trainer\_Name,Trainer\_Track,Trainer\_Location from Trainer\_Info where Trainer\_Experiance>4;

create table Module\_Info (

Module\_Id varchar(20) unique,

Module\_Name varchar(40),

Module\_Duration int

);

insert into Module\_Info (Module\_Id,Module\_Name,Module\_Duration) values

('O10SQL','Oracle 10g SQL ',16),

('O10PLSQL','Oracle 10g PL/ SQL ',16),

('J2SE','Core Java SE 1.6',288),

('J2EE','Advanced Java EE 1.6',80),

('JAVAFX','JavaFX 2.1',80),

('DOTNT4','.Net Framework 4.0 ',50),

('SQL2008','MS SQl Server 2008',120),

('MSBI08','MS BI Studio 2008',158),

('SHRPNT','MS Share Point ',80),

('ANDRD4','Android 4.0',200),

('EM001','Instructor',0),

('EM002','Course Material',0),

('EM003','Learning Effectiveness',0),

('EM004','Environment',0),

('EM005','Job Impact',0),

('TM001','Attendees',0),

('TM002','Course Material',0),

('TM003','Environment',0);

select \* from Module\_Info where Module\_Duration>200;

select Trainer\_Id,Trainer\_Name from Trainer\_Info where Trainer\_Qualification!='Bachelor of Technology';

select \* from Module\_Info where Module\_Duration between 200 and 300;

select Trainer\_Id,Trainer\_Name from Trainer\_Info where Trainer\_Name like 'M%';

select Trainer\_Id,Trainer\_Name from Trainer\_Info where Trainer\_Name like '%o%';

select \* from Module\_Info where Module\_Name is not null;

========================

Handson 4\_2:

=====================================

create database Handson4\_2;

use handson4\_2;

create table student\_Info

(

Reg\_Number varchar(30),

Student\_Name Varchar(30),

Branch Varchar(50),

Contact\_Number Varchar(50),

Date\_of\_Birth Date,

Date\_of\_Joining Date,

Address Varchar(250),

Email\_id Varchar(250)

);

drop table student\_Info;

insert into student\_Info (Reg\_Number,Student\_Name,Branch,Contact\_Number,Date\_of\_Birth,Date\_of\_Joining,Address,Email\_id ) values

('MC101301','James','MCA','9714589787','1984-01-12','2010-07-08','No 10,South Block,Nivea','james.mca@yahoo.com'),

('BEC111402','Manio','ECE','8912457875','1983-02-23','2011-06-25','8/12,Park View,Sieera','manioma@gmail.com'),

('BEEI101204','Mike','EI','8974567897', '1983-02-10',' 2010-08-25 ','Cross villa,NY','mike.james@ymail.com'),

('MB111305','Paulson','MBA','8547986123','1984-12-13','2010-08-08','Lake view,NJ','paul.son@rediffmail.com' );

/\*Write a query which fetches and displays all the students who have an email id.\*/

select \* from student\_Info where Email\_id is not null;

create table Student\_Marks

(

Reg\_Number varchar(10) ,

Subject\_Code varchar (10),

Semester int,

Marks int

);

drop table Student\_Marks;

insert into Student\_Marks values

('MC101301','EE01DCF', 1 ,75),

('MC101301',' EC02MUP', 1 ,65),

('MC101301', 'MC06DIP', 1 ,70),

('BEC111402', 'EE01DCF ',1 ,55),

('BEC111402', 'EC02MUP', 1 ,80),

('BEC111402 ','MC06DIP', 1 ,60),

('BEEI101204', 'EE01DCF', 1, 85),

('BEEI101204', 'EC02MUP', 1 ,78),

('BEEI101204',' MC06DIP', 1, 80),

('BEEI101204', 'MB03MAR', 2, 75),

('BEEI101204', 'EI05IP', 2, 65),

('MB111305',' EC02MUP', 1, 68),

('MB111305',' MC06DIP', 1 ,63),

('MB111305',' MB03MAR ',2,85),

('MB111305',' EI05IP', 2, 74),

('MB111305',' CPSC02DS', 2 ,62);

create table Subject\_Master

(

Subject\_Code varchar(10),

Subject\_Name Varchar(70),

Weightage int

);

drop table Subject\_Master;

insert into Subject\_Master(Subject\_Code,Subject\_Name,Weightage)values

('EE01DCF','DCF',30),

('EC02MUP','Microprocessor',40),

('MC06DIP','Digital Image Processing', 30),

('MB03MAR','Marketing Techniques ', 20),

('EI05IP','Instrumentation Precision' ,40),

('CPSC02DS','Data Structures',40);

/\*Write a query which displays the marks and register number of all students who has scored marks > 50%.\*/

select Marks,Reg\_Number from Student\_Marks where Marks>50;

/\*Write a query which will retrieve the registration number, student name, subject name, semester # and the respective marks of the subject\*/

select Student\_Marks.Reg\_Number, Student\_Marks.Semester,Student\_Marks.Marks,

student\_Info.Student\_Name,Subject\_Master.Subject\_Name

from Student\_Marks

join student\_Info

on Student\_Marks.Reg\_Number=student\_Info.Reg\_Number

join Subject\_Master

on Subject\_Master.Subject\_Code=Student\_Marks.Subject\_Code;

/\*Write a query to display the student name, registration number, subject code, subject name, marks and semester # of all the students who have scored more than 50%.\*/

select student\_Info.Student\_Name,Student\_Marks.Reg\_Number,Subject\_Master.Subject\_Code,

Subject\_Master.Subject\_Name,Student\_Marks.Marks,Student\_Marks.Semester

from Student\_Marks

join Student\_Info

on Student\_Marks.Reg\_Number=Student\_Info.Reg\_Number

join Subject\_Master

on Subject\_Master.Subject\_Code=Student\_Marks.Subject\_Code where Marks>50 ;

/\*Problem # 5:

Write a query to display the registration number and GPA of each student in such a way that the students who are eligible for scholarship are displayed first.\*/

create table Student\_Results

(

Reg\_Number Varchar(20),

Semester int,

GPA decimal (5,3),

Is\_Eligible\_Scholarship char(3)

);

insert into Student\_Results(Reg\_Number,Semester,GPA,Is\_Eligible\_Scholarship)values

('MC101301',1, 7.5,'Y'),

('BEC111402',1,7.1,'Y'),

('BEEI101204',1,8.3,'Y'),

('BEEI101204',2 ,6.9,'N'),

('MB111305' ,1,6.5,'N'),

('MB111305' ,2,6.8,'N');

select Reg\_Number,GPA from Student\_Results;

/\*Write a query to display registration number, student name, the marks of the students, and the weighted marks.

Weighted Marks= marks \* weightage %/100.\*/

/\*alter table Student\_Marks add weighted\_marks int;

update Student\_Marks set weighted\_marks=(Marks\*Weightage/100);

select student\_Info.Student\_Name,student\_Info.Reg\_Number,Student\_Marks.Marks,Subject\_Master.Weightage

from Student\_Info

join Student\_Marks

on student\_Info.Reg\_Number=Student\_Marks.Reg\_Number

join Subject\_Master

on Subject\_Master.Subject\_Code=Student\_Marks.Subject\_Code where Weightage=(Marks\*Weightage/100);\*/

/\*Write a query to display all the students whose name starts with “M”.\*/

select Student\_Name from student\_Info where Student\_Name like 'M%';

/\*Problem # 8:

Write a query which retrieves the student name, registration number and their respective marks in all semesters whose has an email address.\*/

select student\_Info.Student\_Name,student\_Info.Reg\_Number,Student\_Marks.Marks

from student\_Info

join Student\_Marks

on Student\_Marks.Reg\_Number=student\_Info.Reg\_Number where Email\_id is not null;

/\*Problem # 9:

Write a query which retrieves student name, registration number and student marks whose mark is between 60 and 100.\*/

select student\_Info.Student\_Name,student\_Info.Reg\_Number,Student\_Marks.Marks

from student\_Info

join Student\_Marks

on student\_Info.Reg\_Number=Student\_Marks.Reg\_Number where Marks between 60 and 100;

/\*Problem # 10:

Write a query which retrieves student name, registration number and student marks whose name does not start with Character “J”.\*/

select student\_Info.Student\_Name,student\_Info.Reg\_Number,Student\_Marks.Marks

from student\_Info

join Student\_Marks

on student\_Info.Reg\_Number=Student\_Marks.Reg\_Number where Student\_Name not like 'j%';

/\*Problem # 11:

Write a query which retrieves student name, registration number and marks of those subjects whose subject code is either EE01DCF or EC02MUP.\*/

select student\_Info.Student\_Name,student\_Info.Reg\_Number,Student\_Marks.Marks

from Student\_Marks

join student\_Info

on student\_Info.Reg\_Number=Student\_Marks.Reg\_Number

join Subject\_Master

on Student\_Marks.Subject\_Code=Subject\_Master.Subject\_Code where Subject\_Master.Subject\_Code='EE01DCF' || Subject\_Master.Subject\_Code='EC02MUP';

/\*Problem # 12:

Write a query which retrieves all the students whose name ends with “on”.\*/

select Student\_Name from student\_Info where Student\_Name like '%on';

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Handson 5\_1:

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create database Handson5\_1;

use Handson5\_1;

create table Module\_Info

(

Module\_Id varchar(20),

Module\_Name varchar(40),

Module\_Duration int

);

insert into Module\_Info(Module\_Id,Module\_Name,Module\_Duration)values

('O10SQL','Oracle 10g SQL ',16),

('O10PLSQL','Oracle 10g PL/ SQL ',16),

('J2SE','Core Java SE 1.6',288),

('J2EE','Advanced Java EE 1.6',80),

('JAVAFX','JavaFX 2.1',80),

('DOTNT4','.Net Framework 4.0 ',50),

('SQL2008','MS SQl Server 2008',120),

('MSBI08','MS BI Studio 2008',158),

('SHRPNT','MS Share Point ',80),

('ANDRD4','Android 4.0',200),

('EM001','Instructor',0),

('EM002','Course Material',0),

('EM003','Learning Effectiveness',0),

('EM004','Environment',0),

('EM005','Job Impact',0),

('TM001','Attendees',0),

('TM002','Course Material',0),

('TM003','Environment',0);

/\*Problem 1: Develop a query which will display the module name and module Infra fees of the entire module. The infra fee should be rounded to 2 decimal point.\*/

/\*Problem 2: Develop a query which will list all the module id and module names in Module\_Info table where in the first letter should be capital letter.\*/

select Module\_Id,Module\_Name from Module\_Info where ASCII(left(Module\_Name , 1)) between ASCII('A') and ASCII('Z') ;

/\*Problem 3: Develop a query which will display the module id and the number of days between the current date and module start date in associate\_status table\*/

create table Associate\_Status(

Associate\_Id varchar(20),

Module\_Id varchar(20),

AFeedbackGiven varchar(20),

TFeedbackGiven varchar(20)

);

alter table Associate\_Status add Batch\_Id varchar(20);

alter table Associate\_Status add Trainer\_Id varchar(20);

Alter table Associate\_Status add Start\_Date date;

Alter table Associate\_Status add End\_Date date;

insert into Associate\_Status (Associate\_Id,Module\_Id,Batch\_Id,Trainer\_Id,Start\_Date,End\_Date) values

('A001','O10SQL','B001','F001','2000-12-15','2000-12-25'),

('A002','O10SQL','B001','F001','2000-12-15','2000-12-25'),

('A003','O10SQL','B001','F001','2000-12-15','2000-12-25'),

('A001','O10PLSQL','B002','F002','2001-2-1','2001-2-12'),

('A002','O10PLSQL','B002','F002','2001-2-1','2001-2-12'),

('A003','O10PLSQL','B002','F002','2001-2-1','2001-2-12'),

('A001','J2SE','B003','F003','2002-8-20','2002-10-25'),

('A002','J2SE','B003','F003','2002-8-20','2002-10-25'),

('A001','J2EE','B004','F004','2005-12-1','2005-12-25'),

('A002','J2EE','B004','F004','2005-12-1','2005-12-25'),

('A003','J2EE','B004','F004','2005-12-1','2005-12-25'),

('A004','J2EE','B004','F004','2005-12-1','2005-12-25'),

('A005','JAVAFX','B005','F006','2005-12-4','2005-12-20'),

('A006','JAVAFX','B005','F006','2005-12-4','2005-12-20'),

('A006','SQL2008','B006','F007','2007-6-21','2007-6-28'),

('A007','SQL2008','B006','F007','2007-6-21','2007-6-28'),

('A002','MSBI08','B007','F006','2009-6-26','2009-6-29'),

('A003','MSBI08','B007','F006','2009-6-26','2009-6-29'),

('A004','MSBI08','B007','F006','2009-6-26','2009-6-29'),

('A002','ANDRD4','B008','F005','2010-6-5','2010-6-28'),

('A005','ANDRD4','B008','F005','2010-6-5','2010-6-28'),

('A003','ANDRD4','B009','F005','2011-8-1','2011-8-20'),

('A006','ANDRD4','B009','F005','2011-8-1','2011-8-20');

select Module\_Id,

DATEDIFF(current\_date,Start\_Date) AS days from Associate\_Status;

/\*Problem 4: Develop a query which will concatenate the Module Name and Module id in the following format and display all the modules in the module\_info table.

“< Module Name><Module id>”\*/

select concat(Module\_Id,Module\_Name) from Module\_Info;

/\*Problem 5: Develop a query which will display all the Module Name in upper case.\*/

select upper(Module\_Name)as'Module\_Name' from Module\_Info;

/\*Problem 6: Develop a query which will display all the characters between 1 and 3 of the Module name column for all the modules in the Module\_Info table.\*/

select substring(Module\_Name,1,3) as 'Module\_Name' from Module\_Info;

/\*Problem 7: Develop a query calculate average of all the module base fees, any records whose base fee is null needs to be considered as zero.\*/

/\*Write a query which will convert Trainer\_Info’s Trainer\_Id to Number and add 100000 and display it for all the trainers in the Trainer\_Info table.\*/

create table Trainer\_Info (

Trainer\_Id varchar(20),

Salutation varchar(7),

Trainer\_Name varchar(30),

Trainer\_Location varchar(30),

Trainer\_Track varchar(15),

Trainer\_Qualification varchar(100),

Trainer\_Experiance int,

Trainer\_Email varchar(100),

Trainer\_Password varchar(20)

);

drop table Trainer\_Info;

insert into Trainer\_Info(Trainer\_Id,Salutation,Trainer\_Name,Trainer\_Location,Trainer\_Track,Trainer\_Qualification,Trainer\_Experiance,Trainer\_Email,Trainer\_Password) values

('F001','Mr.','PANKAJ GHOSH','Pune','Java','Bachelor of Technology',12,'Pankaj.Ghosh@alliance.com','fac1@123'),

('F002','Mr.','SANJAY RADHAKRISHNAN' ,'Bangalore','DotNet','Bachelor of Technology',12,'Sanjay.Radhakrishnan@alliance.com','fac2@123'),

('F003','Mr.','VIJAY MATHUR','Chennai','Mainframe','Bachelor of Technology',10,'Vijay.Mathur@alliance.com','fac3@123'),

('F004','Mrs.','NANDINI NAIR','Kolkata','Java','Master of Computer Applications',9,'Nandini.Nair@alliance.com','fac4@123'),

('F005','Miss.','ANITHA PAREKH','Hyderabad','Testing','Master of Computer Applications',6,'Anitha.Parekh@alliance.com','fac5@123'),

('F006','Mr.','MANOJ AGRAWAL' ,'Mumbai','Mainframe','Bachelor of Technology',9,'Manoj.Agrawal@alliance.com','fac6@123'),

('F007','Ms.','MEENA KULKARNI','Coimbatore','Testing','Bachelor of Technology',5,'Meena.Kulkarni@alliance.com','fac7@123'),

('F009','Mr.','SAGAR MENON' ,'Mumbai','Java','Master of Science In Information Technology',12,'Sagar.Menon@alliance.com','fac8@123');

/\*alter table Trainer\_Info

rename column Trainer\_Id to Number\_q;

update Number\_q set \*/

describe Trainer\_Info;

update Trainer\_Info set Trainer\_Id=10000;

alter table Trainer\_Info modify Trainer\_Id int;

insert into Trainer\_Info (Trainer\_Id)values

(100000),

(100000),

(100000),

(100000),

(100000),

(100000),

(100000),

(100000);

select\* from Trainer\_Info;

/\*Problem 9:Write a query which will convert Base\_Fees into Varchar from the Module\_info table.

And display in the following format

‘The Base Fees Amount for the module name’ <Module Name>’ is ’<Base Fees>\*/

/\*Problem 10: Write a query which will display the total number of records in Module\_Info.\*/

select\* from Module\_Info;

/\*Problem 11: Develop a query which will give the sum of all base fees of all modules in the Module\_Fees table.\*/

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Handson 5\_2:

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create database HandsOn5\_Excercise2;

use HandsOn5\_Excercise2;

create table student\_Info

(

Reg\_Number varchar(30),

Student\_Name Varchar(30),

Branch Varchar(50),

Contact\_Number Varchar(50),

Date\_of\_Birth Date,

Date\_of\_Joining Date,

Address Varchar(250),

Email\_id Varchar(250)

);

insert into student\_Info (Reg\_Number,Student\_Name,Branch,Contact\_Number,Date\_of\_Birth,Date\_of\_Joining,Address,Email\_id ) values

('MC101301','James','MCA','9714589787','1984-01-12','2010-07-08','No 10,South Block,Nivea','james.mca@yahoo.com'),

('BEC111402','Manio','ECE','8912457875','1983-02-23','2011-06-25','8/12,Park View,Sieera','manioma@gmail.com'),

('BEEI101204','Mike','EI','8974567897', '1983-02-10',' 2010-08-25 ','Cross villa,NY','mike.james@ymail.com'),

('MB111305','Paulson','MBA','8547986123','1984-12-13','2010-08-08','Lake view,NJ','paul.son@rediffmail.com' );

create table Subject\_Master

(

Subject\_Code varchar(10),

Subject\_Name Varchar(70),

Weightage int

);

insert into Subject\_Master(Subject\_Code,Subject\_Name,Weightage)values

('EE01DCF','DCF',30),

('EC02MUP','Microprocessor',40),

('MC06DIP','Digital Image Processing', 30),

('MB03MAR','Marketing Techniques ', 20),

('EI05IP','Instrumentation Precision' ,40),

('CPSC02DS','Data Structures',40);

create table Student\_Marks

(

Reg\_Number varchar(10),

Subject\_Code varchar (10),

Semester int(3),

Marks int(3)

);

insert into Student\_Marks values

('MC101301','EE01DCF', 1 ,75),

('MC101301',' EC02MUP', 1 ,65),

('MC101301', 'MC06DIP', 1 ,70),

('BEC111402', 'EE01DCF ',1 ,55),

('BEC111402', 'EC02MUP', 1 ,80),

('BEC111402 ','MC06DIP', 1 ,60),

('BEEI101204', 'EE01DCF', 1, 85),

('BEEI101204', 'EC02MUP', 1 ,78),

('BEEI101204',' MC06DIP', 1, 80),

('BEEI101204', 'MB03MAR', 2, 75),

('BEEI101204', 'EI05IP', 2, 65),

('MB111305',' EC02MUP', 1, 68),

('MB111305',' MC06DIP', 1 ,63),

('MB111305',' MB03MAR ',2,85),

('MB111305',' EI05IP', 2, 74),

('MB111305',' CPSC02DS', 2 ,62);

-- 1)Write a query to display student information such as name, branch in capital letters.

select upper(Student\_Name),upper(Branch) from student\_Info;

-- 2) Write a query to displays all details in subject\_master in small letters.

select lower(Subject\_Code),lower(Subject\_Name),lower(Weightage) from Subject\_Master;

/\* 3)Write two separate queries to display the registration number date of birth of all the students in the following formats

2011/07/23

July 23, 2011 \*/

select Reg\_Number, date\_format(Date\_of\_Birth,"%Y/%m/%d") from student\_Info;

select Reg\_Number, date\_format(Date\_of\_Birth,"%M %d,%Y") from student\_Info;

/\* 4)Write a query to display age of each student along with name, contact number and email id.

Age = Number of months between DOB and current date /12.\*/

alter table student\_Info add Age int;

update student\_Info

set Age = (TIMESTAMPDIFF(month,Date\_of\_Birth,current\_date()))/12

where Reg\_Number = 'MC101301' or Reg\_Number = 'BEC111402' or Reg\_Number = 'BEEI101204' or Reg\_Number = 'MB111305';

select Student\_Name,Contact\_Number,Email\_id,Age from student\_Info ;

/\*5)Write a query to display the registration number, student name and average marks secured by students in each semester\*/

select Student\_Marks.Reg\_Number,student\_Info.Student\_Name,avg(Student\_Marks.Marks) as Average\_Marks

from Student\_Marks

join student\_Info

on student\_Info.Reg\_Number=Student\_Marks.Reg\_Number

group by Student\_Marks.Reg\_Number;

/\*6)Pick the maximum mark from the students\_marks and display the student registration number and name of those students who have secured the maximum mark.\*/

select Student\_Marks.Reg\_Number,student\_Info.Student\_Name,max(Student\_Marks.Marks) as Maximum\_Marks

from Student\_Marks

join student\_Info

on student\_Info.Reg\_Number=Student\_Marks.Reg\_Number

group by Student\_Marks.Reg\_Number;

/\*7)Pick the maximum marks secured in the subject “ EI05IP” and display the student name and registration number of the student who has secured it.\*/

select Student\_Marks.Reg\_Number,student\_Info.Student\_Name,max(Student\_Marks.Marks) as Max\_Marks

from Student\_Marks

join student\_Info

on student\_Info.Reg\_Number=Student\_Marks.Reg\_Number

where Student\_Marks.Subject\_Code='EI05IP';

/\*8)Write a query to display the average GPA for each semester. Display the semester number and the average.

Hint: Average = Total GPA of all students in a semester/total number of students in a semester\*/

/\*9)Write a query which will display all the student records, if the student email id is null it should be displayed as “no valid email address”.\*/

update student\_Info

set Email\_id='no valid email address'

where Email\_id = null;

select \* from student\_Info;

/\*10) Write a query which will display the student name, branch, registration number, semester number and result. Display the full name of EEE as well as ECE branch as mentioned below,

If EEE then ‘Electrical and Electronic Engineering’

If ECE then Electronics and Communication Engineering.

\*/

update student\_Info

set Branch ='Electrical and Electronic Engineering'

where Branch = 'EEE';

update student\_Info

set Branch ='Electronics and Communication Engineering'

where Branch = 'ECE';

select student\_Info.Student\_Name,student\_Info.Branch,student\_Info.Reg\_Number,Student\_Marks.Semester,Student\_Marks.Marks

from student\_Info

join Student\_Marks

on student\_Info.Reg\_Number=Student\_Marks.Reg\_Number;

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Handson 6\_1:

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-- 6.1

select \* from Associate\_Status;

SELECT COUNT(Module\_Id), Start\_Date

FROM Associate\_Status

GROUP BY Start\_Date;

-- 6.2

SELECT COUNT(Module\_Id), Start\_Date

FROM Associate\_Status

where Trainer\_Id = 'F001'

GROUP BY Start\_Date;

-- select Start\_Date from Associate\_Status where Trainer\_Id = 'F001';

-- 6.3

SELECT COUNT(Module\_Id), Start\_Date

FROM Associate\_Status

where Trainer\_Id = 'F001'

GROUP BY Start\_Date having Count(Module\_Id) > 2;

-- 6.4

select Module\_Name from Module\_Info order by Module\_Duration asc;

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Handson 6\_2:

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-- 6.2.1

use handson;

create table Student\_Results

(

Reg\_Number varchar(10),

Semester int(3),

GPA decimal(5,3),

Is\_Eligible\_Scholarship char(3)

);

insert into Student\_Results(Reg\_Number,Semester,GPA,Is\_Eligible\_Scholarship)values

('MC101301',1, 7.5,'Y'),

('BEC111402',1,7.1,'Y'),

('BEEI101204',1,8.3,'Y'),

('BEEI101204',2 ,6.9,'N'),

('MB111305' ,1,6.5,'N'),

('MB111305' ,2,6.8,'N');

select \* from Student\_Results;

use handson;

create table student\_Info

(

Reg\_Number varchar(30),

Student\_Name Varchar(30),

Branch Varchar(50),

Contact\_Number Varchar(50),

Date\_of\_Birth Date,

Date\_of\_Joining Date,

Address Varchar(250),

Email\_id Varchar(250)

);

insert into student\_Info (Reg\_Number,Student\_Name,Branch,Contact\_Number,Date\_of\_Birth,Date\_of\_Joining,Address,Email\_id ) values

('MC101301','James','MCA','9714589787','1984-01-12','2010-07-08','No 10,South Block,Nivea','james.mca@yahoo.com'),

('BEC111402','Manio','ECE','8912457875','1983-02-23','2011-06-25','8/12,Park View,Sieera','manioma@gmail.com'),

('BEEI101204','Mike','EI','8974567897', '1983-02-10',' 2010-08-25 ','Cross villa,NY','mike.james@ymail.com'),

('MB111305','Paulson','MBA','8547986123','1984-12-13','2010-08-08','Lake view,NJ','paul.son@rediffmail.com' );

select \* from student\_Info;

-- 6.2.1

select Student\_Results.Reg\_Number,Student\_Results.GPA,student\_Info.Student\_Name

from Student\_Results

join student\_Info

on Student\_Results.Reg\_Number=student\_Info.Reg\_Number

order by GPA asc;

-- 6.2.2

select \* from student\_Info order by Student\_Name asc;

-- 6.2.3

select \* from student\_Info order by Date\_of\_Birth asc;

-- 6.2.4

select Student\_Results.Reg\_Number,Student\_Results.Semester,Student\_Results.GPA,student\_Info.Student\_Name

from Student\_Results

join student\_Info

on Student\_Results.Reg\_Number=student\_Info.Reg\_Number

order by GPA desc;

-- 6.2.5

select Reg\_Number,GPA from Student\_Results

order by Is\_Eligible\_Scholarship desc;

-- 6.2.6

select Reg\_Number,GPA from Student\_Results

order by Is\_Eligible\_Scholarship asc;

-- 6.2.7

select Student\_Results.Reg\_Number, Student\_Results.Semester, student\_Info.Student\_Name, max(Student\_Results.GPA)

from Student\_Results

join student\_Info

on Student\_Results.Reg\_Number=student\_Info.Reg\_Number

group by Student\_Results.Semester;

-- 6.2.8

select Student\_Results.Reg\_Number, Student\_Results.Semester, student\_Info.Student\_Name, min(Student\_Results.GPA)

from Student\_Results

join student\_Info

on Student\_Results.Reg\_Number=student\_Info.Reg\_Number

group by Student\_Results.Semester;

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Handson 7\_1:

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-- 7.1.1

select Trainer\_Info.Trainer\_Id, Batch\_Info.Batch\_Id from Trainer\_Info cross join Batch\_Info;

-- 7.1.2

-- select \* from Batch\_Info;

-- select \* from Associate\_Status;

select \* from Associate\_Status join Batch\_Info on Associate\_Status.Batch\_Id = Batch\_Info.Batch\_Id;

-- 7.1.3

-- select \* from Associate\_Status;

-- select \* from Trainer\_Info;

select Associate\_Status.Associate\_Id, Trainer\_Info.Trainer\_Id from Associate\_Status

right join Trainer\_Info

on Associate\_Status.Trainer\_Id = Trainer\_Info.Trainer\_Id;

-- 7.1.4

select Associate\_Status.Associate\_Id, Trainer\_Info.Trainer\_Id from Associate\_Status

left join Trainer\_Info

on Associate\_Status.Trainer\_Id = Trainer\_Info.Trainer\_Id;

-- 7.1.5

insert into Associate\_Status (Associate\_Id,Module\_Id,Batch\_Id,Start\_Date,End\_Date) values

('A0070','custom','B001','2000-12-15','2000-12-25');

select \* from Associate\_Status;

-- insert into Trainer\_Info (Trainer\_Id,Salutation,Trainer\_Name,Trainer\_Location,Trainer\_Track,Trainer\_Qualification,Trainer\_Experiance,Trainer\_Email,Trainer\_Password) value

-- ('F001','Mr.','PANKAJ GHOSH','Pune','Java','Bachelor of Technology',12,'Pankaj.Ghosh@alliance.com','fac1@123');

select \* from Trainer\_Info;

select Associate\_Status.Associate\_Id, Trainer\_Info.Trainer\_Id from Associate\_Status

right join Trainer\_Info

on Associate\_Status.Trainer\_Id = Trainer\_Info.Trainer\_Id;

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Handson 7\_2:

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-- 7.2.1

select Student\_Marks\_2145498.Marks,Student\_Marks\_2145498.Subject\_Code,student\_Info\_2145498.Student\_Name

from Student\_Marks\_2145498

join student\_Info\_2145498

on Student\_Marks\_2145498.Reg\_Number=student\_Info\_2145498.Reg\_Number;

-- 7.2.2

select Student\_Marks\_2145498.Marks,Student\_Marks\_2145498.Subject\_Code,student\_Info\_2145498.Student\_Name

from Student\_Marks\_2145498

join student\_Info\_2145498

on Student\_Marks\_2145498.Reg\_Number=student\_Info\_2145498.Reg\_Number

where Marks>=65;

-- 7.2.3

select Student\_Results\_2145498.Reg\_Number,Student\_Results\_2145498.GPA,student\_Info\_2145498.Student\_Name

from Student\_Results\_2145498

join student\_Info\_2145498

on Student\_Results\_2145498.Reg\_Number=student\_Info\_2145498.Reg\_Number

order by GPA desc;

-- 7.2.4

select \* from student\_Info\_2145498 left join Backup\_Student\_Info on student\_Info\_2145498.Reg\_Number= Backup\_Student\_Info.Reg\_Number;

-- 7.2.5

select \* from Backup\_Student\_Info right join student\_Info\_2145498 on student\_Info\_2145498.Reg\_Number= Backup\_Student\_Info.Reg\_Number;

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Handson 8\_1,8\_2:

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use Test;

show tables;

select \* from associate\_status;

select \* from trainer\_feedback;

select Trainer\_id from associate\_status where Associate\_Id in (select Associate\_Id from associate\_info

where Associate\_Name like '%i%');

select Trainer\_id from associate\_status where Associate\_Id in (select Associate\_Id from associate\_info

where Associate\_Name not like '%i%');

select Trainer\_id, Trainer\_Rating from Trainer\_Feedback where Batch\_Id in (select Batch\_id from associate\_status

where Module\_Id = 'J2EE');

CREATE TABLE Trainer\_Info\_Sabbatical

(

Trainer\_Id VARCHAR(20) PRIMARY KEY,

Salutation VARCHAR(7) NOT NULL,

Trainer\_Name VARCHAR(30) NOT NULL,

Trainer\_Location VARCHAR(30) NOT NULL,

Trainer\_Track VARCHAR(15) NOT NULL,

Trainer\_Qualification VARCHAR(100) NOT NULL,

Trainer\_Experiance int ,

Trainer\_Email VARCHAR(100) NOT NULL,

Trainer\_Password VARCHAR(20) NOT NULL

);

insert into Trainer\_Info\_Sabbatical values ('F011','Mr.','Shyju K', 'Kochi','Java','Bachelor of Technology',9,'shyju@alliance.com','fac11@123');

insert into Trainer\_Info\_Sabbatical values ('F012','Mr.','Raviraj Kumar', 'Kochi','Java','Bachelor of Technology',8,'raviarajkumar@alliance.com','fac12@123');

insert into Trainer\_Info\_Sabbatical values ('F013','Mr.','Suresh Babu N', 'Mumbai','Testing','Bachelor of Technology',19,'sureshbabun@alliance.com','fac13@123');

select \* from Trainer\_Info;

insert into Trainer\_Info

select \* from Trainer\_Info\_Sabbatical;

select \* from Trainer\_Info;

update Trainer\_info

set Trainer\_Location = 'Kochi'

where Trainer\_Experiance in (Select Trainer\_Experiance from Trainer\_Info\_Sabbatical where

Trainer\_Experiance > 10);

delete from Trainer\_info

where Trainer\_Experiance in (Select Trainer\_Experiance from Trainer\_Info\_Sabbatical where

Trainer\_Experiance > 12);

describe Trainer\_info;

select \* from Trainer\_info

where Trainer\_Id in (select Trainer\_Id from Trainer\_Info\_Sabbatical)

and Salutation in (select Salutation from Trainer\_Info\_Sabbatical)

and Trainer\_Name in (select Trainer\_Name from Trainer\_Info\_Sabbatical)

and Trainer\_Location in (select Trainer\_Location from Trainer\_Info\_Sabbatical)

and Trainer\_Track in (select Trainer\_Track from Trainer\_Info\_Sabbatical)

and Trainer\_Qualification in (select Trainer\_Qualification from Trainer\_Info\_Sabbatical)

and Trainer\_Experiance in (select Trainer\_Experiance from Trainer\_Info\_Sabbatical)

and Trainer\_Email in (select Trainer\_Email from Trainer\_Info\_Sabbatical)

and Trainer\_Password in (select Trainer\_Password from Trainer\_Info\_Sabbatical);

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