Dbms code

create database staff\_management;

use staff\_management;

create table Department(

Dept\_ID varchar(10) primary key,

Dept\_Title varchar(20) not null,

HOD\_ID varchar(10)

);

INSERT INTO Department VALUES ('DEPTEN0001', 'Mechanical Engineering', 'HOD0000001');

INSERT INTO Department VALUES ('DEPTEN0002', 'Computer Science Engineering', 'HOD0000002');

INSERT INTO Department VALUES ('DEPTEN0003', 'Electrical Engineering', 'HOD0000003');

INSERT INTO Department VALUES ('DEPTEN0004', 'Biotech Engineering', 'HOD0000004');

INSERT INTO Department VALUES ('DEPTEN0005', 'Chemical Engineering', 'HOD0000005');

create table Bonus(

Bonus\_ID varchar(10) primary key,

B\_Name varchar(30) not null,

B\_Amount float check(B\_Amount>=0)

);

insert into bonus values('BNS0000011','Attendance Reward',6000);

INSERT INTO Bonus (Bonus\_ID, B\_Name, B\_Amount) VALUES ('BNS0000001', 'DiwaliBonus', 5000);

INSERT INTO Bonus (Bonus\_ID, B\_Name, B\_Amount) VALUES ('BNS0000002', 'HoliRewards', 3000);

INSERT INTO Bonus (Bonus\_ID, B\_Name, B\_Amount) VALUES ('BNS0000003', 'NavratriIncentive', 4500);

INSERT INTO Bonus (Bonus\_ID, B\_Name, B\_Amount) VALUES ('BNS0000004', 'GaneshChaturthiBonus', 5500);

INSERT INTO Bonus (Bonus\_ID, B\_Name, B\_Amount) VALUES ('BNS0000005', 'PongalPrize', 4000);

INSERT INTO Bonus (Bonus\_ID, B\_Name, B\_Amount) VALUES ('BNS0000006', 'RakshaBandhanAward', 3500);

INSERT INTO Bonus (Bonus\_ID, B\_Name, B\_Amount) VALUES ('BNS0000007', 'DurgaPujaBenefit', 6000);

INSERT INTO Bonus (Bonus\_ID, B\_Name, B\_Amount) VALUES ('BNS0000008', 'BaisakhiBounty', 4800);

INSERT INTO Bonus (Bonus\_ID, B\_Name, B\_Amount) VALUES ('BNS0000009', 'EidBonus', 5200);

INSERT INTO Bonus (Bonus\_ID, B\_Name, B\_Amount) VALUES ('BNS0000010', 'ChristmasSurprise', 7000);

create table Course(

Course\_ID varchar(10) primary key,

Course\_Name varchar(20) not null

);

INSERT INTO Course VALUES ('CSE0000001', 'Artificial Intelligence');

INSERT INTO Course VALUES ('CSE0000002', 'Data Structures and Algorithms');

INSERT INTO Course VALUES ('CSE0000003', 'Database Management Systems');

INSERT INTO Course VALUES ('CSE0000004', 'Computer Networks');

INSERT INTO Course VALUES ('CSE0000005', 'Operating Systems');

INSERT INTO Course VALUES ('CSE0000006', 'Software Engineering');

INSERT INTO Course VALUES ('EE00000001', 'Circuit Theory');

INSERT INTO Course VALUES ('EE00000002', 'Digital Signal Processing');

INSERT INTO Course VALUES ('EE00000003', 'Power Systems Analysis');

INSERT INTO Course VALUES ('EE00000004', 'Control Systems');

INSERT INTO Course VALUES ('EE00000005', 'Renewable Energy Systems');

INSERT INTO Course VALUES ('EE00000006', 'Electrical Machines');

INSERT INTO Course VALUES ('MECH000001', 'Fluid Mechanics');

INSERT INTO Course VALUES ('MECH000002', 'Thermodynamics');

INSERT INTO Course VALUES ('MECH000003', 'Mechanical Vibrations');

INSERT INTO Course VALUES ('MECH000004', 'Machine Design');

INSERT INTO Course VALUES ('MECH000005', 'Heat Transfer');

INSERT INTO Course VALUES ('MECH000006', 'Automotive Engineering');

INSERT INTO Course VALUES ('CHEM000001', 'Chemical Process Design');

INSERT INTO Course VALUES ('CHEM000002', 'Reaction Engineering');

INSERT INTO Course VALUES ('CHEM000003', 'Mass Transfer Operations');

INSERT INTO Course VALUES ('CHEM000004', 'Polymer Engineering');

INSERT INTO Course VALUES ('CHEM000005', 'Process Control Systems');

INSERT INTO Course VALUES ('CHEM000006', 'Biochemical Engineering');

INSERT INTO Course VALUES ('BIOT000001', 'Bioprocess Engineering');

INSERT INTO Course VALUES ('BIOT000002', 'Genetic Engineering');

INSERT INTO Course VALUES ('BIOT000003', 'Biomedical Instrumentation');

INSERT INTO Course VALUES ('BIOT000004', 'Bioinformatics');

INSERT INTO Course VALUES ('BIOT000005', 'Cell and Tissue Engineering');

INSERT INTO Course VALUES ('BIOT000006', 'Microbial Biotechnology');

create table Financer(

F\_ID varchar(10) primary key,

First\_Name varchar(20) not null,

Last\_Name varchar(20) not null,

F\_DOJ date,

F\_DOB date,

check(F\_DOJ>F\_DOB),

F\_Password varchar(20) not null,

Street varchar(20),

City varchar(20),

State varchar(20),

Pincode int

);

INSERT INTO Financer VALUES ('FIN1000001', 'Aarav', 'Patel', '2000-10-15', '1980-05-20', 'indianpass1', '123 Gandhi Road', 'Mumbai', 'Maharashtra', 400001);

INSERT INTO Financer VALUES ('FIN1000002', 'Aisha', 'Khan', '2005-03-28', '1985-07-10', 'desipassword', '456 Nehru Street', 'Delhi', 'Delhi', 110001);

INSERT INTO Financer VALUES ('FIN1000003', 'Vivek', 'Sharma', '2007-11-10', '1989-12-05', 'namaste123', '789 Tagore Avenue', 'Jaipur', 'Rajasthan', 302001);

INSERT INTO Financer VALUES ('FIN1000004', 'Priya', 'Verma', '2012-06-25', '1992-09-15', 'finance2022', '101 Bose Lane', 'Kolkata', 'West Bengal', 700001);

INSERT INTO Financer VALUES ('FIN1000005', 'Rahul', 'Singh', '2010-09-30', '1990-04-18', 'singhrahul', '202 Tagore Road', 'Lucknow', 'Uttar Pradesh', 226001);

create table Financer\_email(

F\_Email varchar(25),

F\_ID varchar(10) references Financer(F\_ID) on delete set null,

Primary key(F\_Email, F\_ID)

);

INSERT INTO Financer\_email VALUES ('aarav.patel@gmail.com', 'FIN1000001');

INSERT INTO Financer\_email VALUES ('aisha.khan@gmail.com', 'FIN1000002');

INSERT INTO Financer\_email VALUES ('vivek.sharma@gmail.com', 'FIN1000003');

INSERT INTO Financer\_email VALUES ('priya.verma@gmail.com', 'FIN1000004');

INSERT INTO Financer\_email VALUES ('rahul.singh@gmail.com', 'FIN1000005');

INSERT INTO Financer\_email VALUES ('aarav.patel2@gmail.com', 'FIN1000001');

INSERT INTO Financer\_email VALUES ('aisha.khan2@gmail.com', 'FIN1000002');

INSERT INTO Financer\_email VALUES ('vivek.sharma2@gmail.com', 'FIN1000003');

INSERT INTO Financer\_email VALUES ('priya.verma2@gmail.com', 'FIN1000004');

INSERT INTO Financer\_email VALUES ('rahul.singh2@gmail.com', 'FIN1000005');

create table Financer\_mobile(

F\_Mobile varchar(10),

F\_ID varchar(10) references Financer(F\_ID) on delete set null,

Primary key(F\_Mobile,F\_ID)

);

INSERT INTO Financer\_mobile VALUES ('9876543210', 'FIN1000001');

INSERT INTO Financer\_mobile VALUES ('8765432109', 'FIN1000002');

INSERT INTO Financer\_mobile VALUES ('7654321098', 'FIN1000003');

INSERT INTO Financer\_mobile VALUES ('6543210987', 'FIN1000004');

INSERT INTO Financer\_mobile VALUES ('8432109876', 'FIN1000005');

INSERT INTO Financer\_mobile VALUES ('9862543210', 'FIN1000001');

INSERT INTO Financer\_mobile VALUES ('8766332109', 'FIN1000002');

INSERT INTO Financer\_mobile VALUES ('7658721098', 'FIN1000003');

INSERT INTO Financer\_mobile VALUES ('6543287987', 'FIN1000004');

INSERT INTO Financer\_mobile VALUES ('8432132876', 'FIN1000005');

create table Professor(

P\_ID varchar(10) primary key,

First\_Name varchar(20) not null,

Last\_Name varchar(20) not null,

P\_DOJ date,

P\_DOB date,

check(P\_DOJ>P\_DOB),

P\_Password varchar(20) not null,

Role\_Title varchar(20) default 'Professor',

Street varchar(20),

City varchar(20),

State varchar(20),

Pincode int,

HOD\_ID varchar(10) references HOD(HOD\_ID) on delete set null,

Dept\_ID varchar(10) references Department(Dept\_ID) on delete set null

);

INSERT INTO Professor (P\_ID, First\_Name, Last\_Name, P\_DOJ, P\_DOB, P\_Password, Street, City, State, Pincode, HOD\_ID, Dept\_ID) VALUES('PROF000001', 'Rajesh', 'Sharma', '2011-05-15', '1976-02-10', 'Rajesh@1980', 'Gandhi Marg', 'Delhi', 'Delhi', 110001, 'HOD0000001', 'DEPT000001'),

('PROF000002', 'Sunita', 'Patel', '2004-08-20', '1975-12-05', 'Sunita@1992', 'Patel Chowk', 'Mumbai', 'Maharashtra', 400001, 'HOD0000001', 'DEPT000001'),

('PROF000003', 'Amit', 'Singh', '2000-04-10', '1975-06-25', 'Amit@2000', 'Vivekananda Nagar', 'Bangalore', 'Karnataka', 560001,'HOD0000001', 'DEPT000001'),

('PROF000004', 'Priya', 'Das', '2005-11-30', '1974-10-15', 'Priya@2005', 'Nehru Colony', 'Kolkata', 'West Bengal', 700001, 'HOD0000001', 'DEPT000001'),

('PROF000005', 'Vikram', 'Gupta', '2010-02-28', '1980-08-12', 'Vikram@2010', 'Rani Park', 'Chennai', 'Tamil Nadu', 600001,'HOD0000001', 'DEPT000001'),

('PROF000006', 'Anita', 'Chopra', '2012-06-17', '1981-04-20', 'Anita@2012', 'Nagar Road', 'Pune', 'Maharashtra', 411001, 'HOD0000002', 'DEPT000002'),

('PROF000007', 'Rahul', 'Kumar', '2015-09-03', '1984-03-05', 'Rahul@2015', 'Krishna Enclave', 'Hyderabad', 'Telangana', 500001, 'HOD0000002', 'DEPT000002'),

('PROF000008', 'Meena', 'Rao', '2018-12-12', '1986-07-18', 'Meena@2018', 'Ram Nagar', 'Ahmedabad', 'Gujarat', 380001,'HOD0000002', 'DEPT000002'),

('PROF000009', 'Sanjay', 'Mishra', '2020-10-25', '1990-11-22', 'Sanjay@2020', 'Ashoka Marg', 'Jaipur', 'Rajasthan', 302001, 'HOD0000002', 'DEPT000002'),

('PROF000010', 'Pooja', 'Malhotra', '2021-03-14', '1989-09-08', 'Pooja@2021', 'Laxmi Nagar', 'Lucknow', 'Uttar Pradesh', 226001,'HOD0000002', 'DEPT000002'),

('PROF000011', 'Anil', 'Thakur', '2008-07-22', '1981-12-30', 'Anil@2008', 'Gandhi Nagar', 'Patna', 'Bihar', 800001, 'HOD0000003', 'DEPT000003'),

('PROF000012', 'Shilpa', 'Joshi', '2016-05-19', '1985-07-16', 'Shilpa@2016', 'Shivaji Park', 'Kochi', 'Kerala', 682001,'HOD0000003', 'DEPT000003'),

('PROF000013', 'Rakesh', 'Dutta', '2019-09-28', '1988-01-25', 'Rakesh@2019', 'Ramkrishna Nagar', 'Bhopal', 'Madhya Pradesh', 462001, 'HOD0000003', 'DEPT000003'),

('PROF000014', 'Sangeeta', 'Verma', '2014-11-07', '1980-05-20', 'Sangeeta@2014', 'Vivekananda Enclave', 'Indore', 'Madhya Pradesh', 452001,'HOD0000003', 'DEPT000003'),

('PROF000015', 'Manish', 'Saxena', '2017-04-02', '1991-11-18', 'Manish@2017', 'Rajendra Nagar', 'Nagpur', 'Maharashtra', 440001,'HOD0000003', 'DEPT000003'),

('PROF000016', 'Neha', 'Gandhi', '2013-01-10', '1983-08-28', 'Neha@2013', 'Rana Pratap Nagar', 'Surat', 'Gujarat', 395001,'HOD0000004', 'DEPT000004'),

('PROF000017', 'Rohit', 'Varma', '2011-08-05', '1978-04-15', 'Rohit@2011', 'Kiran Nagar', 'Visakhapatnam', 'Andhra Pradesh', 530001,'HOD0000004', 'DEPT000004'),

('PROF000018', 'Preeti', 'Chandra', '2007-06-29', '1978-03-12', 'Preeti@2007', 'Sai Baba Road', 'Agra', 'Uttar Pradesh', 282001, 'HOD0000004', 'DEPT000004'),

('PROF000019', 'Vivek', 'Rastogi', '2009-12-18', '1976-09-05', 'Vivek@2009', 'Guru Nanak Colony', 'Coimbatore', 'Tamil Nadu', 641001, 'HOD0000004', 'DEPT000004'),

('PROF000020', 'Swati', 'Nair', '2018-02-07', '1989-06-30', 'Swati@2018', 'Sarojini Road', 'Thiruvananthapuram', 'Kerala', 695001, 'HOD0000004', 'DEPT000004'),

('PROF000021', 'Deepak', 'Menon', '2015-10-14', '1988-02-25', 'Deepak@2015', 'Gandhi Nagar', 'Guwahati', 'Assam', 781001, 'HOD0000005', 'DEPT000005'),

('PROF000022', 'Nisha', 'Kumar', '2010-07-12', '1980-09-14', 'Nisha@2010', 'Rajpath Road', 'Delhi', 'Delhi', 110002,'HOD0000005', 'DEPT000005'),

('PROF000023', 'Gaurav', 'Jain', '2012-05-28', '1983-03-20', 'Gaurav@2012', 'Mahatma Gandhi Nagar', 'Mumbai', 'Maharashtra', 400002, 'HOD0000005', 'DEPT000005'),

('PROF000024', 'Priyanka', 'Chopra', '2016-09-15', '1980-11-30', 'Priyanka@2016', 'Ashok Vihar', 'Bangalore', 'Karnataka', 560002, 'HOD0000005', 'DEPT000005'),

('PROF000025', 'Alok', 'Sharma', '2018-11-05', '1985-07-10', 'Alok@2018', 'Lal Bahadur Shastri Marg', 'Kolkata', 'West Bengal', 700002,'HOD0000005', 'DEPT000005');

create table HOD(

HOD\_ID varchar(10) primary key,

First\_Name varchar(20) not null,

Last\_Name varchar(20) not null,

HOD\_DOJ date,

HOD\_DOB date,

check(HOD\_DOJ>HOD\_DOB),

HOD\_Password varchar(20) not null,

Street varchar(20),

City varchar(20),

State varchar(20),

Pincode int,

Dept\_ID varchar(10) references Department(Dept\_ID) on delete set null

);

INSERT INTO HOD VALUES ('HOD0000001', 'Aarav', 'Patel', '1990-05-15', '1970-02-28', 'Pass123', 'Gandhi Road', 'Mumbai', 'Maharashtra', 400001, 'DEPTEN0001');

INSERT INTO HOD VALUES ('HOD0000002', 'Priya', 'Singh', '1995-10-20', '1975-08-12', 'SecurePwd', 'Nehru Street', 'Delhi', 'Delhi', 110001, 'DEPTEN0002');

INSERT INTO HOD VALUES ('HOD0000003', 'Rahul', 'Iyer', '2000-03-10', '1980-12-05', 'Rahul@2023', 'Tagore Avenue', 'Bangalore', 'Karnataka', 560001, 'DEPTEN0003');

INSERT INTO HOD VALUES ('HOD0000004', 'Nisha', 'Reddy', '1998-07-25', '1978-04-18', 'Reddy@123', 'Vivekananda Lane', 'Hyderabad', 'Telangana', 500001, 'DEPTEN0004');

INSERT INTO HOD VALUES ('HOD0000005', 'Avinash', 'Desai', '2005-09-30', '1985-06-22', 'AviDesai#1', 'Bose Nagar', 'Chennai', 'Tamil Nadu', 600001, 'DEPTEN0005');

create table HOD\_email(

HOD\_Email varchar(25),

HOD\_ID varchar(10) references HOD(HOD\_ID) on delete set null,

Primary key(HOD\_Email, HOD\_ID)

);

INSERT INTO HOD\_email VALUES ('aarav@gmail.com', 'HOD0000001');

INSERT INTO HOD\_email VALUES ('priya@gmail.com', 'HOD0000002');

INSERT INTO HOD\_email VALUES ('rahul@gmail.com', 'HOD0000003');

INSERT INTO HOD\_email VALUES ('nisha@gmail.com', 'HOD0000004');

INSERT INTO HOD\_email VALUES ('avinash@gmail.com', 'HOD0000005');

INSERT INTO HOD\_email VALUES ('aarav2@gmail.com', 'HOD0000001');

INSERT INTO HOD\_email VALUES ('priya2@gmail.com', 'HOD0000002');

INSERT INTO HOD\_email VALUES ('rahul2@gmail.com', 'HOD0000003');

INSERT INTO HOD\_email VALUES ('nisha2@gmail.com', 'HOD0000004');

INSERT INTO HOD\_email VALUES ('avinash2@gmail.com', 'HOD0000005');

create table Professor\_email(

P\_Email varchar(25),

P\_ID varchar(10) references Professor(P\_ID) on delete set null,

Primary key(P\_Email, P\_ID)

);

INSERT INTO Professor\_email (P\_Email, P\_ID) VALUES

('rajesh@gmail.com', 'PROF000001'),

('sunita@gmail.com', 'PROF000002'),

('amit@gmail.com', 'PROF000003'),

('priya@gmail.com', 'PROF000004'),

('vikram@gmail.com', 'PROF000005'),

('anita@gmail.com', 'PROF000006'),

('rahul@gmail.com', 'PROF000007'),

('meena@gmail.com', 'PROF000008'),

('sanjay@gmail.com', 'PROF000009'),

('pooja@gmail.com', 'PROF000010'),

('anil@gmail.com', 'PROF000011'),

('shilpa@gmail.com', 'PROF000012'),

('rakesh@gmail.com', 'PROF000013'),

('sangeeta@gmail.com', 'PROF000014'),

('manish@gmail.com', 'PROF000015'),

('neha@gmail.com', 'PROF000016'),

('rohit@gmail.com', 'PROF000017'),

('preeti@gmail.com', 'PROF000018'),

('vivek@gmail.com', 'PROF000019'),

('neha.gandhi@gmail.com', 'PROF000020'),

('rohit.verma@gmail.com', 'PROF000021'),

('preeti.chandra@gmail.com', 'PROF000022'),

('vivek.sharma@gmail.com', 'PROF000023'),

('anil.thakur@gmail.com', 'PROF000024'),

('shilpa.joshi@gmail.com', 'PROF000025'),

('rajesh2@gmail.com', 'PROF000001'),

('sunita2@gmail.com', 'PROF000002'),

('amit2@gmail.com', 'PROF000003'),

('priya2@gmail.com', 'PROF000004'),

('vikram2@gmail.com', 'PROF000005'),

('anita2@gmail.com', 'PROF000006'),

('rahul2@gmail.com', 'PROF000007'),

('meena2@gmail.com', 'PROF000008'),

('sanjay2@gmail.com', 'PROF000009'),

('pooja2@gmail.com', 'PROF000010'),

('anil2@gmail.com', 'PROF000011'),

('shilpa2@gmail.com', 'PROF000012'),

('rakesh2@gmail.com', 'PROF000013'),

('sangeeta2@gmail.com', 'PROF000014'),

('manish2@gmail.com', 'PROF000015'),

('neha2@gmail.com', 'PROF000016'),

('rohit2@gmail.com', 'PROF000017'),

('preeti2@gmail.com', 'PROF000018'),

('vivek2@gmail.com', 'PROF000019'),

('neha.gandhi2@gmail.com', 'PROF000020'),

('rohit.verma2@gmail.com', 'PROF000021'),

('preeti.chandra2@gmail.com', 'PROF000022'),

('vivek.sharma2@gmail.com', 'PROF000023'),

('anil.thakur2@gmail.com', 'PROF000024'),

('shilpa.joshi2@gmail.com', 'PROF000025');

create table HOD\_mobile(

HOD\_Mobile varchar(10),

HOD\_ID varchar(10) references HOD(HOD\_ID) on delete set null,

Primary key(HOD\_Mobile,HOD\_ID)

);

INSERT INTO HOD\_mobile VALUES ('9876543210', 'HOD0000001');

INSERT INTO HOD\_mobile VALUES ('8765432109', 'HOD0000002');

INSERT INTO HOD\_mobile VALUES ('7654321098', 'HOD0000003');

INSERT INTO HOD\_mobile VALUES ('6543210987', 'HOD0000004');

INSERT INTO HOD\_mobile VALUES ('7432109876', 'HOD0000005');

INSERT INTO HOD\_mobile VALUES ('9865543210', 'HOD0000001');

INSERT INTO HOD\_mobile VALUES ('8432432109', 'HOD0000002');

INSERT INTO HOD\_mobile VALUES ('7656321098', 'HOD0000003');

INSERT INTO HOD\_mobile VALUES ('6553210987', 'HOD0000004');

INSERT INTO HOD\_mobile VALUES ('8434609876', 'HOD0000005');

alter table department add constraint hodfk foreign key(HOD\_ID) references HOD(HOD\_ID);

create table Professor\_mobile(

P\_Mobile varchar(10),

P\_ID varchar(10) references Professor(P\_ID) on delete set null,

Primary key(P\_Mobile,P\_ID)

);

INSERT INTO Professor\_mobile (P\_Mobile, P\_ID)

VALUES ('7234567890', 'PROF000001');

INSERT INTO Professor\_mobile (P\_Mobile, P\_ID)

VALUES ('9987654321', 'PROF000002');

INSERT INTO Professor\_mobile (P\_Mobile, P\_ID)

VALUES ('8678901234', 'PROF000003');

INSERT INTO Professor\_mobile (P\_Mobile, P\_ID)

VALUES ('9876543210', 'PROF000004');

INSERT INTO Professor\_mobile (P\_Mobile, P\_ID)

VALUES ('6345678901', 'PROF000005');

INSERT INTO Professor\_mobile (P\_Mobile, P\_ID)

VALUES ('9456789012', 'PROF000006');

INSERT INTO Professor\_mobile (P\_Mobile, P\_ID)

VALUES ('8567890123', 'PROF000007');

INSERT INTO Professor\_mobile (P\_Mobile, P\_ID)

VALUES ('9678901234', 'PROF000008');

INSERT INTO Professor\_mobile (P\_Mobile, P\_ID)

VALUES ('7789012345', 'PROF000009');

INSERT INTO Professor\_mobile (P\_Mobile, P\_ID)

VALUES ('7890123456', 'PROF000010');

INSERT INTO Professor\_mobile (P\_Mobile, P\_ID)

VALUES ('8901234567', 'PROF000011');

INSERT INTO Professor\_mobile (P\_Mobile, P\_ID)

VALUES ('9012345678', 'PROF000012');

INSERT INTO Professor\_mobile (P\_Mobile, P\_ID)

VALUES ('9123456789', 'PROF000013');

INSERT INTO Professor\_mobile (P\_Mobile, P\_ID)

VALUES ('8234567890', 'PROF000014');

INSERT INTO Professor\_mobile (P\_Mobile, P\_ID)

VALUES ('9345678901', 'PROF000015');

INSERT INTO Professor\_mobile (P\_Mobile, P\_ID)

VALUES ('8456789012', 'PROF000016');

INSERT INTO Professor\_mobile (P\_Mobile, P\_ID)

VALUES ('9567890123', 'PROF000017');

INSERT INTO Professor\_mobile (P\_Mobile, P\_ID)

VALUES ('7678901234', 'PROF000018');

INSERT INTO Professor\_mobile (P\_Mobile, P\_ID)

VALUES ('6789012345', 'PROF000019');

INSERT INTO Professor\_mobile (P\_Mobile, P\_ID)

VALUES ('7890123456', 'PROF000020');

INSERT INTO Professor\_mobile (P\_Mobile, P\_ID)

VALUES ('8901234567', 'PROF000021');

INSERT INTO Professor\_mobile (P\_Mobile, P\_ID)

VALUES ('9012345678', 'PROF000022');

INSERT INTO Professor\_mobile (P\_Mobile, P\_ID)

VALUES ('9123456789', 'PROF000023');

INSERT INTO Professor\_mobile (P\_Mobile, P\_ID)

VALUES ('8234567890', 'PROF000024');

INSERT INTO Professor\_mobile (P\_Mobile, P\_ID)

VALUES ('7345678901', 'PROF000025');

INSERT INTO Professor\_mobile (P\_Mobile, P\_ID)

VALUES ('7233367890', 'PROF000001');

INSERT INTO Professor\_mobile (P\_Mobile, P\_ID)

VALUES ('9985554321', 'PROF000002');

INSERT INTO Professor\_mobile (P\_Mobile, P\_ID)

VALUES ('8676501234', 'PROF000003');

INSERT INTO Professor\_mobile (P\_Mobile, P\_ID)

VALUES ('9876766210', 'PROF000004');

INSERT INTO Professor\_mobile (P\_Mobile, P\_ID)

VALUES ('6345676901', 'PROF000005');

INSERT INTO Professor\_mobile (P\_Mobile, P\_ID)

VALUES ('8756789012', 'PROF000006');

INSERT INTO Professor\_mobile (P\_Mobile, P\_ID)

VALUES ('8567890983', 'PROF000007');

INSERT INTO Professor\_mobile (P\_Mobile, P\_ID)

VALUES ('9678871234', 'PROF000008');

INSERT INTO Professor\_mobile (P\_Mobile, P\_ID)

VALUES ('8789012345', 'PROF000009');

INSERT INTO Professor\_mobile (P\_Mobile, P\_ID)

VALUES ('7980123456', 'PROF000010');

INSERT INTO Professor\_mobile (P\_Mobile, P\_ID)

VALUES ('8901209567', 'PROF000011');

INSERT INTO Professor\_mobile (P\_Mobile, P\_ID)

VALUES ('9012340978', 'PROF000012');

INSERT INTO Professor\_mobile (P\_Mobile, P\_ID)

VALUES ('9123876789', 'PROF000013');

INSERT INTO Professor\_mobile (P\_Mobile, P\_ID)

VALUES ('8234587890', 'PROF000014');

INSERT INTO Professor\_mobile (P\_Mobile, P\_ID)

VALUES ('9345676901', 'PROF000015');

INSERT INTO Professor\_mobile (P\_Mobile, P\_ID)

VALUES ('8456765012', 'PROF000016');

INSERT INTO Professor\_mobile (P\_Mobile, P\_ID)

VALUES ('9576890123', 'PROF000017');

INSERT INTO Professor\_mobile (P\_Mobile, P\_ID)

VALUES ('7678909034', 'PROF000018');

INSERT INTO Professor\_mobile (P\_Mobile, P\_ID)

VALUES ('6789018745', 'PROF000019');

INSERT INTO Professor\_mobile (P\_Mobile, P\_ID)

VALUES ('7540123456', 'PROF000020');

INSERT INTO Professor\_mobile (P\_Mobile, P\_ID)

VALUES ('8901239967', 'PROF000021');

INSERT INTO Professor\_mobile (P\_Mobile, P\_ID)

VALUES ('9012347678', 'PROF000022');

INSERT INTO Professor\_mobile (P\_Mobile, P\_ID)

VALUES ('9123465789', 'PROF000023');

INSERT INTO Professor\_mobile (P\_Mobile, P\_ID)

VALUES ('8234588890', 'PROF000024');

INSERT INTO Professor\_mobile (P\_Mobile, P\_ID)

VALUES ('7345768901', 'PROF000025');

create table Prof\_teach\_Course (

P\_ID varchar(10) references Professor(P\_ID) on delete set null,

Course\_ID varchar(10) references Course(Course\_ID) on delete set null,

primary key (P\_ID, Course\_ID)

);

INSERT INTO prof\_teach\_course VALUES('PROF000001','MECH000001');

INSERT INTO prof\_teach\_course VALUES('PROF000002','MECH000002');

INSERT INTO prof\_teach\_course VALUES('PROF000003','MECH000003');

INSERT INTO prof\_teach\_course VALUES('PROF000004','MECH000004');

INSERT INTO prof\_teach\_course VALUES('PROF000005','MECH000005');

INSERT INTO prof\_teach\_course VALUES('PROF000006','CSE0000001');

INSERT INTO prof\_teach\_course VALUES('PROF000007','CSE0000002');

INSERT INTO prof\_teach\_course VALUES('PROF000008','CSE0000003');

INSERT INTO prof\_teach\_course VALUES('PROF000009','CSE0000004');

INSERT INTO prof\_teach\_course VALUES('PROF000010','CSE0000005');

INSERT INTO prof\_teach\_course VALUES('PROF000011','EE00000001');

INSERT INTO prof\_teach\_course VALUES('PROF000012','EE00000002');

INSERT INTO prof\_teach\_course VALUES('PROF000013','EE00000003');

INSERT INTO prof\_teach\_course VALUES('PROF000014','EE00000004');

INSERT INTO prof\_teach\_course VALUES('PROF000015','EE00000005');

INSERT INTO prof\_teach\_course VALUES('PROF000016','CHEM000001');

INSERT INTO prof\_teach\_course VALUES('PROF000017','CHEM000002');

INSERT INTO prof\_teach\_course VALUES('PROF000018','CHEM000003');

INSERT INTO prof\_teach\_course VALUES('PROF000019','CHEM000004');

INSERT INTO prof\_teach\_course VALUES('PROF000020','CHEM000005');

INSERT INTO prof\_teach\_course VALUES('PROF000021','BIOT000001');

INSERT INTO prof\_teach\_course VALUES('PROF000022','BIOT000002');

INSERT INTO prof\_teach\_course VALUES('PROF000023','BIOT000003');

INSERT INTO prof\_teach\_course VALUES('PROF000024','BIOT000004');

INSERT INTO prof\_teach\_course VALUES('PROF000025','BIOT000005');

INSERT INTO prof\_teach\_course VALUES('PROF000013','EE00000006');

INSERT INTO prof\_teach\_course VALUES('PROF000004','MECH000006');

INSERT INTO prof\_teach\_course VALUES('PROF000019','CHEM000006');

INSERT INTO prof\_teach\_course VALUES('PROF000007','CSE0000006');

INSERT INTO prof\_teach\_course VALUES('PROF000025','BIOT000006');

create table Dept\_has\_Course(

Dept\_ID varchar(10) references Department(Dept\_ID) on delete set null,

Course\_ID varchar(10) references Course(Course\_ID) on delete set null,

primary key (Dept\_ID, Course\_ID)

);

INSERT INTO dept\_has\_course VALUES ('DEPT000001','MECH000001');

INSERT INTO dept\_has\_course VALUES ('DEPT000001','MECH000002');

INSERT INTO dept\_has\_course VALUES ('DEPT000001','MECH000003');

INSERT INTO dept\_has\_course VALUES ('DEPT000001','MECH000004');

INSERT INTO dept\_has\_course VALUES ('DEPT000001','MECH000005');

INSERT INTO dept\_has\_course VALUES ('DEPT000001','MECH000006');

INSERT INTO dept\_has\_course VALUES ('DEPT000002','CSE0000001');

INSERT INTO dept\_has\_course VALUES ('DEPT000002','CSE0000002');

INSERT INTO dept\_has\_course VALUES ('DEPT000002','CSE0000003');

INSERT INTO dept\_has\_course VALUES ('DEPT000002','CSE0000004');

INSERT INTO dept\_has\_course VALUES ('DEPT000002','CSE0000005');

INSERT INTO dept\_has\_course VALUES ('DEPT000002','CSE0000006');

INSERT INTO dept\_has\_course VALUES ('DEPT000003','EE00000001');

INSERT INTO dept\_has\_course VALUES ('DEPT000003','EE00000002');

INSERT INTO dept\_has\_course VALUES ('DEPT000003','EE00000003');

INSERT INTO dept\_has\_course VALUES ('DEPT000003','EE00000004');

INSERT INTO dept\_has\_course VALUES ('DEPT000003','EE00000005');

INSERT INTO dept\_has\_course VALUES ('DEPT000003','EE00000006');

INSERT INTO dept\_has\_course VALUES ('DEPT000004','BIOT000001');

INSERT INTO dept\_has\_course VALUES ('DEPT000004','BIOT000002');

INSERT INTO dept\_has\_course VALUES ('DEPT000004','BIOT000003');

INSERT INTO dept\_has\_course VALUES ('DEPT000004','BIOT000004');

INSERT INTO dept\_has\_course VALUES ('DEPT000004','BIOT000005');

INSERT INTO dept\_has\_course VALUES ('DEPT000004','BIOT000006');

INSERT INTO dept\_has\_course VALUES ('DEPT000005','CHEM000001');

INSERT INTO dept\_has\_course VALUES ('DEPT000005','CHEM000002');

INSERT INTO dept\_has\_course VALUES ('DEPT000005','CHEM000003');

INSERT INTO dept\_has\_course VALUES ('DEPT000005','CHEM000004');

INSERT INTO dept\_has\_course VALUES ('DEPT000005','CHEM000005');

INSERT INTO dept\_has\_course VALUES ('DEPT000005','CHEM000006');

INSERT INTO dept\_has\_course VALUES ('DEPT000001','EE00000005');

INSERT INTO dept\_has\_course VALUES ('DEPT000002','EE00000002');

INSERT INTO dept\_has\_course VALUES ('DEPT000003','CSE0000001');

INSERT INTO dept\_has\_course VALUES ('DEPT000003','MECH000006');

INSERT INTO dept\_has\_course VALUES ('DEPT000004','CSE0000001');

INSERT INTO dept\_has\_course VALUES ('DEPT000004','CHEM000006');

INSERT INTO dept\_has\_course VALUES ('DEPT000005','MECH000002');

INSERT INTO dept\_has\_course VALUES ('DEPT000005','BIOT000001');

create table Leaves(

Leave\_ID varchar(10) primary key,

to\_date date not null,

from\_date date not null,

check(to\_date>=from\_date),

leave\_type varchar(25),

P\_ID varchar(10) references Professor(P\_ID) on delete set null,

HOD\_ID varchar(10) references HOD(HOD\_ID) on delete set null

);

INSERT INTO Leaves (Leave\_ID, to\_date, from\_date, leave\_type, P\_ID, HOD\_ID)

VALUES ('LEAVE00001', '2024-05-10', '2024-05-08', 'Sick Leave', 'PROF000001', 'HOD0000001');

INSERT INTO Leaves (Leave\_ID, to\_date, from\_date, leave\_type, P\_ID, HOD\_ID)

VALUES ('LEAVE00002', '2024-06-30', '2024-06-20', 'Vacation', 'PROF000013', 'HOD0000003');

INSERT INTO Leaves (Leave\_ID, to\_date, from\_date, leave\_type, P\_ID, HOD\_ID)

VALUES ('LEAVE00003', '2024-10-25', '2024-09-01', 'Maternity Leave', 'PROF000020', 'HOD0000004');

INSERT INTO Leaves (Leave\_ID, to\_date, from\_date, leave\_type, P\_ID, HOD\_ID)

VALUES ('LEAVE00004', '2024-07-15', '2024-07-12', 'Personal Leave', 'PROF000023', 'HOD0000005');

INSERT INTO Leaves (Leave\_ID, to\_date, from\_date, leave\_type, P\_ID, HOD\_ID)

VALUES ('LEAVE00005', '2025-01-31', '2024-08-01', 'Sabbatical Leave', 'PROF000005', 'HOD0000001');

create table Attendance(

Sno int,

P\_ID varchar(10) references Professor(P\_ID) on delete set null,

primary key(Sno,P\_ID),

Total\_working\_days int not null,

D\_1 int,

D\_2 int,

D\_3 int,

D\_4 int,

D\_5 int,

D\_6 int,

D\_7 int,

D\_8 int,

D\_9 int,

D\_10 int,

D\_11 int,

D\_12 int,

D\_13 int,

D\_14 int,

D\_15 int,

D\_16 int,

D\_17 int,

D\_18 int,

D\_19 int,

D\_20 int,

D\_21 int,

D\_22 int,

D\_23 int,

D\_24 int,

D\_25 int,

D\_26 int,

D\_27 int,

D\_28 int,

D\_29 int,

D\_30 int,

D\_31 int,

Days\_present int,

Days\_absent int,

Percent\_Attendance float

);

INSERT INTO Attendance (Sno, P\_ID, Total\_working\_days, D\_1, D\_2, D\_3, D\_4, D\_5, D\_6, D\_7, D\_8, D\_9, D\_10, D\_11, D\_12, D\_13, D\_14, D\_15, D\_16, D\_17, D\_18, D\_19, D\_20, D\_21, D\_22, D\_23, D\_24, D\_25, D\_26, D\_27, D\_28, D\_29, D\_30, D\_31, Days\_present, Days\_absent, Percent\_Attendance)

VALUES

(1, 'PROF000001', 31, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 15, 16, 48.39),

(2, 'PROF000002', 31, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 18, 13, 58.06),

(3, 'PROF000003', 31, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 17, 14, 54.84),

(4, 'PROF000004', 31, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 17, 14, 54.84),

(5, 'PROF000005', 31, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 17, 14, 54.84),

(6, 'PROF000006', 31, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 18, 13, 58.06),

(7, 'PROF000007', 31, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 16, 15, 51.61),

(8, 'PROF000008', 31, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 18, 13, 58.06),

(9, 'PROF000009', 31, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 17, 14, 54.84),

(10, 'PROF000010', 31, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 16, 15, 51.61),

(11, 'PROF000011', 31, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 16, 15, 51.61),

(12, 'PROF000012', 31, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 18, 13, 58.06),

(13, 'PROF000013', 31, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 17, 14, 54.84),

(14, 'PROF000014', 31, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 17, 14, 54.84),

(15, 'PROF000015', 31, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 17, 14, 54.84),

(16, 'PROF000016', 31, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 17, 14, 54.84),

(17, 'PROF000017', 31, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 17, 14, 54.84),

(18, 'PROF000018', 31, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 18, 13, 58.06),

(19, 'PROF000019', 31, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 17, 14, 54.84),

(20, 'PROF000020', 31, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 17, 14, 54.84),

(21, 'PROF000021', 31, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 17, 14, 54.84),

(22, 'PROF000022', 31, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 17, 14, 54.84),

(23, 'PROF000023', 31, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 17, 14, 54.84),

(24, 'PROF000024', 31, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 17, 14, 54.84),

(25, 'PROF000025', 31, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 17, 14, 54.84);

update attendance set d\_6=null,d\_7=null,d\_11=null,d\_12=null,d\_13=null,d\_14=null,d\_17=null,d\_20=null,d\_21=null,Days\_present=null, Days\_absent=null, Percent\_Attendance=null;

create table Salary(

Salary\_ID varchar(10),

P\_ID varchar(10) references Professor(P\_ID) on delete set null,

primary key(Salary\_ID,P\_ID),

TA float,

DA float,

Bank\_acc\_no varchar(14),

Total\_Salary float,

F\_ID varchar(10) references Financer(F\_ID) on delete set null,

Bonus\_ID varchar(10) references Bonus(Bonus\_ID) on delete set null

);

alter table salary add column basic\_amt int default 50000;

INSERT INTO Salary (Salary\_ID, P\_ID, TA, DA, Bank\_acc\_no, Total\_Salary, F\_ID, Bonus\_ID) VALUES

('SID0000001', 'PROF000001', 1500.00, 200.00, '12345678901234', NULL, 'FIN0000001', 'BNS0000001'),

('SID0000002', 'PROF000002', 1600.00, 210.00, '23456789012345', NULL, 'FIN0000002', 'BNS0000002'),

('SID0000003', 'PROF000003', 1700.00, 220.00, '34567890123456', NULL, 'FIN0000003', 'BNS0000003'),

('SID0000004', 'PROF000004', 1800.00, 230.00, '45678901234567', NULL, 'FIN0000004', 'BNS0000004'),

('SID0000005', 'PROF000005', 1900.00, 240.00, '56789012345678', NULL, 'FIN0000005', 'BNS0000005'),

('SID0000006', 'PROF000006', 2000.00, 250.00, '67890123456789', NULL, 'FIN0000001', 'BNS0000006'),

('SID0000007', 'PROF000007', 2100.00, 260.00, '78901234567890', NULL, 'FIN0000002', 'BNS0000007'),

('SID0000008', 'PROF000008', 2200.00, 270.00, '89012345678901', NULL, 'FIN0000003', 'BNS0000008'),

('SID0000009', 'PROF000009', 2300.00, 280.00, '90123456789012', NULL, 'FIN0000004', 'BNS0000009'),

('SID0000010', 'PROF000010', 2400.00, 290.00, '01234567890123', NULL, 'FIN0000005', 'BNS0000010'),

('SID0000011', 'PROF000011', 2500.00, 300.00, '12345678901234', NULL, 'FIN0000001', 'BNS0000001'),

('SID0000012', 'PROF000012', 2600.00, 310.00, '23456789012345', NULL, 'FIN0000002', 'BNS0000002'),

('SID0000013', 'PROF000013', 2700.00, 320.00, '34567890123456', NULL, 'FIN0000003', 'BNS0000003'),

('SID0000014', 'PROF000014', 2800.00, 330.00, '45678901234567', NULL, 'FIN0000004', 'BNS0000004'),

('SID0000015', 'PROF000015', 2900.00, 340.00, '56789012345678', NULL, 'FIN0000005', 'BNS0000005'),

('SID0000016', 'PROF000016', 3000.00, 350.00, '67890123456789', NULL, 'FIN0000001', 'BNS0000006'),

('SID0000017', 'PROF000017', 3100.00, 360.00, '78901234567890', NULL, 'FIN0000002', 'BNS0000007'),

('SID0000018', 'PROF000018', 3200.00, 370.00, '89012345678901', NULL, 'FIN0000003', 'BNS0000008'),

('SID0000019', 'PROF000019', 3300.00, 380.00, '90123456789012', NULL, 'FIN0000004', 'BNS0000009'),

('SID0000020', 'PROF000020', 3400.00, 390.00, '01234567890123', NULL, 'FIN0000005', 'BNS0000010'),

('SID0000021', 'PROF000021', 3500.00, 400.00, '12345678901234', NULL, 'FIN0000001', 'BNS0000001'),

('SID0000022', 'PROF000022', 3600.00, 410.00, '23456789012345', NULL, 'FIN0000002', 'BNS0000002'),

('SID0000023', 'PROF000023', 3700.00, 420.00, '34567890123456', NULL, 'FIN0000003', 'BNS0000003'),

('SID0000024', 'PROF000024', 3800.00, 430.00, '45678901234567', NULL, 'FIN0000004', 'BNS0000004'),

('SID0000025', 'PROF000025', 3900.00, 440.00, '56789012345678', NULL, 'FIN0000005', 'BNS0000005');

ATTENDANCE QUERIES

update attendance set d\_6=null,d\_7=null,d\_11=null,d\_12=null,d\_13=null,d\_14=null,d\_17=null,d\_20=null,d\_21=null,d\_27=null,d\_28=null,d\_31=null,Days\_present=null, Days\_absent=null, Percent\_Attendance=null;

UPDATE Attendance

SET Total\_working\_days = (

COALESCE(D\_1, 0) + COALESCE(D\_2, 0) + COALESCE(D\_3, 0) + COALESCE(D\_4, 0) + COALESCE(D\_5, 0) +

COALESCE(D\_6, 0) + COALESCE(D\_7, 0) + COALESCE(D\_8, 0) + COALESCE(D\_9, 0) + COALESCE(D\_10, 0) +

COALESCE(D\_11, 0) + COALESCE(D\_12, 0) + COALESCE(D\_13, 0) + COALESCE(D\_14, 0) + COALESCE(D\_15, 0) +

COALESCE(D\_16, 0) + COALESCE(D\_17, 0) + COALESCE(D\_18, 0) + COALESCE(D\_19, 0) + COALESCE(D\_20, 0) +

COALESCE(D\_21, 0) + COALESCE(D\_22, 0) + COALESCE(D\_23, 0) + COALESCE(D\_24, 0) + COALESCE(D\_25, 0) +

COALESCE(D\_26, 0) + COALESCE(D\_27, 0) + COALESCE(D\_28, 0) + COALESCE(D\_29, 0) + COALESCE(D\_30, 0) +

COALESCE(D\_31, 0)

);

update attendance set d\_1=0,d\_8=0,d\_10=0,d\_15=0 where p\_id='PROF000002';

update attendance set d\_8=0,d\_16=0,d\_18=0,d\_23=0 where p\_id='PROF000003';

update attendance set d\_3=0 where p\_id='PROF000004';

update attendance set d\_9=0,d\_10=0,d\_22=0 where p\_id='PROF000006';

update attendance set d\_23=0,d\_5=0,d\_16=0 where p\_id='PROF000007';

update attendance set d\_5=0,d\_10=0 where p\_id='PROF000008';

update attendance set d\_22=0 where p\_id='PROF000009';

update attendance set d\_26=0,d\_29=0 where p\_id='PROF000011';

update attendance set d\_30=0 where p\_id='PROF000012';

update attendance set d\_9=0,d\_19=0,d\_25=0 where p\_id='PROF000013';

update attendance set d\_2=0,d\_8=0 where p\_id='PROF000014';

update attendance set d\_3=0,d\_26=0,d\_30=0 where p\_id='PROF000015';

update attendance set d\_2=0,d\_29=0 where p\_id='PROF000016';

update attendance set d\_18=0,d\_10=0 where p\_id='PROF000017';

update attendance set d\_19=0,d\_22=0,d\_23=0,d\_24=0 where p\_id='PROF000018';

update attendance set d\_26=0,d\_29=0 where p\_id='PROF000020';

update attendance set d\_22=0 where p\_id='PROF000021';

update attendance set d\_10=0,d\_5=0 where p\_id='PROF000022';

update attendance set d\_2=0,d\_3=0 where p\_id='PROF000023';

update attendance set d\_1=0 where p\_id='PROF000024';

update attendance set d\_3=0,d\_4=0,d\_5=0 where p\_id='PROF000025';

DELIMITER //

CREATE TRIGGER leave\_approval\_trigger

AFTER UPDATE ON leaves

FOR EACH ROW

BEGIN

IF NEW.Status = 'approved' THEN

SIGNAL SQLSTATE '45000' SET MESSAGE\_TEXT = 'Your leave has been approved';

END IF;

END;

//

DELIMITER ;

DELIMITER //

CREATE TRIGGER professor\_insert\_trigger AFTER INSERT ON Professor

FOR EACH ROW

BEGIN

SIGNAL SQLSTATE '45000' SET MESSAGE\_TEXT = 'New Professor record added';

END;

//

DELIMITER ;

CREATE TRIGGER professor\_update\_trigger AFTER UPDATE ON Professor

FOR EACH ROW

BEGIN

SIGNAL SQLSTATE '45000' SET MESSAGE\_TEXT = ' Professor record has been updated';

END;

SALARY

DELIMITER //

CREATE PROCEDURE CalculateTotalSalaryWithBonus()

BEGIN

DECLARE done INT DEFAULT FALSE;

DECLARE prof\_id VARCHAR(10);

DECLARE ta\_amt FLOAT;

DECLARE da\_amt FLOAT;

DECLARE bs\_amt INT;

DECLARE b\_id VARCHAR(10);

DECLARE bonus\_amt FLOAT;

DECLARE attendance\_percent FLOAT;

DECLARE tot\_salary FLOAT;

DECLARE cur CURSOR FOR

SELECT s.P\_ID, s.TA, s.DA, s.Basic\_Amt, s.Bonus\_ID, a.Percent\_Attendance

FROM Salary s

LEFT JOIN Attendance a ON s.P\_ID = a.P\_ID;

DECLARE CONTINUE HANDLER FOR NOT FOUND SET done = TRUE;

/\* -- User-defined exception

DECLARE sal\_calc\_error CONDITION FOR SQLSTATE '45000';

DECLARE EXIT HANDLER FOR sal\_calc\_error

BEGIN

-- Rollback any changes if an error occurs

ROLLBACK;

SIGNAL SQLSTATE '45000' SET MESSAGE\_TEXT = 'Error occurred while calculating total salary with bonus';

END;

-- Start transaction

START TRANSACTION;\*/

OPEN cur;

read\_loop: LOOP

FETCH cur INTO prof\_id, ta\_amt, da\_amt, bs\_amt, b\_id, attendance\_percent;

IF done THEN

LEAVE read\_loop;

END IF;

SET tot\_salary = ta\_amt + da\_amt + bs\_amt;

IF attendance\_percent >= 90 THEN

SELECT B\_Amount INTO bonus\_amt

FROM Bonus

WHERE Bonus\_ID = b\_id;

SET tot\_salary = tot\_salary + bonus\_amt;

-- Additional bonus for attendance reward

SELECT B\_Amount INTO bonus\_amt

FROM Bonus

WHERE Bonus\_ID = 'BNS0000011';

SET tot\_salary = tot\_salary + bonus\_amt;

ELSE

SELECT B\_Amount INTO bonus\_amt

FROM Bonus

WHERE Bonus\_ID = b\_id;

SET tot\_salary = tot\_salary + bonus\_amt;

END IF;

UPDATE Salary

SET Total\_Salary = tot\_salary

WHERE P\_ID = prof\_id;

END LOOP;

CLOSE cur;

-- Commit transaction

COMMIT;

END//

DELIMITER ;

ATTENDANCE

DELIMITER //

BEGIN

DECLARE done INT DEFAULT FALSE;

DECLARE prof\_id VARCHAR(10);

DECLARE dd\_1 INT; DECLARE dd\_2 INT; DECLARE dd\_3 INT; DECLARE dd\_4 INT; DECLARE dd\_5 INT;

DECLARE dd\_6 INT; DECLARE dd\_7 INT; DECLARE dd\_8 INT; DECLARE dd\_9 INT; DECLARE dd\_10 INT;

DECLARE dd\_11 INT; DECLARE dd\_12 INT; DECLARE dd\_13 INT; DECLARE dd\_14 INT; DECLARE dd\_15 INT;

DECLARE dd\_16 INT; DECLARE dd\_17 INT; DECLARE dd\_18 INT; DECLARE dd\_19 INT; DECLARE dd\_20 INT;

DECLARE dd\_21 INT; DECLARE dd\_22 INT; DECLARE dd\_23 INT; DECLARE dd\_24 INT; DECLARE dd\_25 INT;

DECLARE dd\_26 INT; DECLARE dd\_27 INT; DECLARE dd\_28 INT; DECLARE dd\_29 INT; DECLARE dd\_30 INT;

DECLARE dd\_31 INT;

DECLARE tot\_working\_days INT;

DECLARE d\_present INT DEFAULT 0;

DECLARE d\_absent INT;

DECLARE percent\_attend FLOAT;

DECLARE d\_value INT;

DECLARE i INT DEFAULT 1;

DECLARE cur CURSOR FOR

SELECT P\_ID, D\_1, D\_2, D\_3, D\_4, D\_5, D\_6, D\_7, D\_8, D\_9, D\_10,

D\_11, D\_12, D\_13, D\_14, D\_15, D\_16, D\_17, D\_18, D\_19, D\_20,

D\_21, D\_22, D\_23, D\_24, D\_25, D\_26, D\_27, D\_28, D\_29, D\_30,

D\_31, Total\_working\_days

FROM Attendance;

DECLARE CONTINUE HANDLER FOR NOT FOUND SET done = TRUE;

OPEN cur;

read\_loop: LOOP

FETCH cur INTO prof\_id, dd\_1, dd\_2, dd\_3, dd\_4, dd\_5, dd\_6, dd\_7, dd\_8, dd\_9, dd\_10,

dd\_11, dd\_12, dd\_13, dd\_14, dd\_15, dd\_16, dd\_17, dd\_18, dd\_19, dd\_20,

dd\_21, dd\_22, dd\_23, dd\_24, dd\_25, dd\_26, dd\_27, dd\_28, dd\_29, dd\_30,

dd\_31, tot\_working\_days;

IF done THEN

LEAVE read\_loop;

END IF;

SET d\_present = 0;

SET i=1;

day\_loop: LOOP

CASE i

WHEN 1 THEN SET d\_value = dd\_1;

WHEN 2 THEN SET d\_value = dd\_2;

WHEN 3 THEN SET d\_value = dd\_3;

WHEN 4 THEN SET d\_value = dd\_4;

WHEN 5 THEN SET d\_value = dd\_5;

WHEN 6 THEN SET d\_value = dd\_6;

WHEN 7 THEN SET d\_value = dd\_7;

WHEN 8 THEN SET d\_value = dd\_8;

WHEN 9 THEN SET d\_value = dd\_9;

WHEN 10 THEN SET d\_value = dd\_10;

WHEN 11 THEN SET d\_value = dd\_11;

WHEN 12 THEN SET d\_value = dd\_12;

WHEN 13 THEN SET d\_value = dd\_13;

WHEN 14 THEN SET d\_value = dd\_14;

WHEN 15 THEN SET d\_value = dd\_15;

WHEN 16 THEN SET d\_value = dd\_16;

WHEN 17 THEN SET d\_value = dd\_17;

WHEN 18 THEN SET d\_value = dd\_18;

WHEN 19 THEN SET d\_value = dd\_19;

WHEN 20 THEN SET d\_value = dd\_20;

WHEN 21 THEN SET d\_value = dd\_21;

WHEN 22 THEN SET d\_value = dd\_22;

WHEN 23 THEN SET d\_value = dd\_23;

WHEN 24 THEN SET d\_value = dd\_24;

WHEN 25 THEN SET d\_value = dd\_25;

WHEN 26 THEN SET d\_value = dd\_26;

WHEN 27 THEN SET d\_value = dd\_27;

WHEN 28 THEN SET d\_value = dd\_28;

WHEN 29 THEN SET d\_value = dd\_29;

WHEN 30 THEN SET d\_value = dd\_30;

WHEN 31 THEN SET d\_value = dd\_31;

END CASE;

IF d\_value IS NOT NULL THEN

SET d\_present = d\_present + d\_value;

END IF;

SET i = i + 1;

IF i > 31 THEN

LEAVE day\_loop;

END IF;

END LOOP day\_loop;

SET d\_absent = tot\_working\_days - d\_present;

IF tot\_working\_days > 0 THEN

SET percent\_attend = (d\_present / tot\_working\_days) \* 100;

ELSE

SET percent\_attend = 0;

END IF;

UPDATE Attendance

SET Days\_present = d\_present,

Days\_absent = d\_absent,

Percent\_Attendance = percent\_attend

WHERE P\_ID = prof\_id;

END LOOP read\_loop;

CLOSE cur;

END//

DELIMITER ;

create table TTCord(

TTC\_ID varchar(10) primary key,

First\_Name varchar(20) not null,

Last\_Name varchar(20) not null,

TTC\_DOJ date,

TTC\_DOB date,

check(TTC\_DOJ>TTC\_DOB),

TTC\_Password varchar(20) not null,

Street varchar(20),

City varchar(20),

State varchar(20),

Pincode int

);

create table Admin(

A\_ID varchar(10) primary key,

First\_Name varchar(20) not null,

Last\_Name varchar(20) not null,

A\_DOJ date,

A\_DOB date,

check(A\_DOJ>A\_DOB),

A\_Password varchar(20) not null,

Street varchar(20),

City varchar(20),

State varchar(20),

Pincode int

);

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Generate Timetable</title>

    <style>

        \* {

    margin: 0;

    padding: 0;

    box-sizing: border-box;

}

body {

    font-family: Arial, sans-serif;

    background-color: #f4f4f4;

}

.container {

    width: 1000px;

    margin: 50px auto;

    padding: 20px;

    background-color: #fff;

    border-radius: 5px;

    box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);

}

h2 {

    font-size: 24px;

    margin-bottom: 20px;

    color: #333;

}

table {

    width: 100%;

    border-collapse: collapse;

}

th, td {

    border: 1px solid #ccc;

    padding: 8px;

    text-align: center;

}

th {

    background-color: #f2f2f2;

}

button{

    background-color: #3C91E6;

    border: #3C91E6;

    height: 30px;

    width: 150px;

    border-radius: 5px;

}

    </style>

</head>

<body>

    <div class="container">

        <h2>Generate Timetable</h2>

        <form action="timetable.php" method="POST">

            <label for="dept\_id">Enter Department ID:</label>

            <input type="text" id="dept\_id" name="dept\_id" required>

            <button type="submit">Generate Timetable</button>

        </form>

        <table>

            <thead>

                <tr>

                    <th>Time Slot</th>

                    <th>Monday</th>

                    <th>Tuesday</th>

                    <th>Wednesday</th>

                    <th>Thursday</th>

                    <th>Friday</th>

                </tr>

            </thead>

            <tbody>

                <?php

                 $servername = "localhost";

                 $username = "root";

                 $password = "";

                 $database\_name = "staff\_scheduling";

                 $conn = new mysqli($servername, $username, $password, $database\_name);

                 if ($conn->connect\_error) {

                     die("Connection failed: " . $conn->connect\_error);

                 }

                 if ($\_SERVER["REQUEST\_METHOD"] == "POST"){

                 $dept\_id = $\_POST['dept\_id'];

                // Define timeslots

                $timeslots = array("08:00 AM", "09:00 AM", "10:00 AM", "11:00 AM", "12:00 PM", "01:00 PM", "02:00 PM", "03:00 PM", "04:00 PM");

                // Loop through timeslots

                foreach ($timeslots as $slot) {

                    echo "<tr>";

                    echo "<td>$slot</td>";

                    for ($i = 0; $i < 5; $i++) {

                        // Fetch course options for dropdown

                        echo "<td><select name='course\_prof[$slot][$i][course\_id]'><option value=''>Select Course</option>";

                        $sql\_courses = "SELECT Course\_ID, Course\_Name FROM Course WHERE Course\_ID IN (SELECT Course\_ID FROM Dept\_has\_Course WHERE Dept\_ID = '$dept\_id')";

                        $result\_courses = $conn->query($sql\_courses);

                        if ($result\_courses->num\_rows > 0) {

                            while ($row = $result\_courses->fetch\_assoc()) {

                                echo "<option value='" . $row["Course\_ID"] . "'>" . $row["Course\_Name"] . "</option>";

                            }

                        }

                        echo "</select>";

                        // Fetch professor options for dropdown

                        echo "<select name='course\_prof[$slot][$i][prof\_id]'><option value=''>Select Professor</option>";

                        $sql\_professors = "SELECT P\_ID, First\_Name, Last\_Name FROM Professor WHERE Dept\_ID = '$dept\_id'";

                        $result\_professors = $conn->query($sql\_professors);

                        if ($result\_professors->num\_rows > 0) {

                            while ($row = $result\_professors->fetch\_assoc()) {

                                echo "<option value='" . $row["P\_ID"] . "'>" . $row["First\_Name"] . " " . $row["Last\_Name"] . "</option>";

                            }

                        }

                        echo "</select></td>";

                    }

                    echo "</tr>";

                }

            }

                ?>

            </tbody>

        </table>

    </div>

</body>

</html>