

QUERY LIST:

SCHEMA CREATION:

```
CREATE DATABASE job_seeking;
```

```
CREATE TABLE job_seeker(  
  seeker_id varchar(15) primary key,  
  name varchar(15),  
  email varchar(30),  
  ph_no varchar(11),  
  skills varchar(100),  
  experience varchar(100),  
  resume varchar(150)  
);
```

```
CREATE TABLE organization(  
  org_name varchar(50) primary key,  
  date_of_establish date,  
  ceo varchar(50)  
);
```

```
CREATE TABLE employer(  
  employer_id varchar(15) primary key,  
  dept varchar(15),  
  email varchar(30),  
  ph_no varchar(11),  
  address varchar(100),  
  org_name varchar(50),  
  CONSTRAINT FK_org_name FOREIGN KEY (org_name) REFERENCES  
  organization(org_name)  
  ON DELETE CASCADE  
  ON UPDATE CASCADE  
);
```

```

CREATE TABLE job(
job_id varchar(15) primary key,
job_title varchar(15),
description varchar(30),

req_skills varchar(50),
salary numeric(10,2),
location varchar(150),
employer_id varchar(15),
CONSTRAINT FK_emp_id FOREIGN KEY (employer_id) REFERENCES
employer(employer_id)
ON DELETE CASCADE
ON UPDATE CASCADE
);

CREATE TABLE application(
app_id varchar(15) primary key,
seeker_id varchar(15),
job_id varchar(15),
app_status varchar(20),
app_date date,
CONSTRAINT FK_seeker_id FOREIGN KEY (seeker_id) REFERENCES
job_seeker(seeker_id)
ON DELETE CASCADE
ON UPDATE CASCADE,
CONSTRAINT FK_job_id FOREIGN KEY (job_id) REFERENCES job(job_id)
ON DELETE CASCADE
ON UPDATE CASCADE
);

```

DATA INSERTION:

TABLE : Job Seeker

```
INSERT INTO job_seeker (seeker_id, name, email, ph_no, skills, experience, resume)
```

```
VALUES
```

```
('S001', 'John Doe', 'john@example.com', '12345678901', 'Java, PHP', '5 years',  
'resume_john.pdf'),
```

```
('S002', 'Jane Smith', 'jane@example.com', '12345678902', 'HTML, CSS, JS', '3 years',  
'resume_jane.pdf'),
```

```
('S003', 'Alice Johnson', 'alice@example.com', '12345678903', 'Python, Data Analysis', '2  
years', 'resume_alice.pdf'),
```

```
('S004', 'Bob Williams', 'bob@example.com', '12345678904', 'C++, Embedded Systems', '4  
years', 'resume_bob.pdf'),
```

```
('S005', 'Charlie Brown', 'charlie@example.com', '12345678905', 'React, Node.js', '3 years',  
'resume_charlie.pdf'),
```

```
('S006', 'Diana Prince', 'diana@example.com', '12345678906', 'Machine Learning, R', '5  
years', 'resume_diana.pdf'),
```

```
('S007', 'Eve Adams', 'eve@example.com', '12345678907', 'HTML, CSS, JavaScript', '1 year',  
'resume_eve.pdf'),
```

```
('S008', 'Frank Castle', 'frank@example.com', '12345678908', 'Network Security, Ethical  
Hacking', '6 years', 'resume_frank.pdf'),
```

```
('S009', 'Grace Hopper', 'grace@example.com', '12345678909', 'COBOL, Mainframe  
Systems', '15 years', 'resume_grace.pdf'),
```

```
('S010', 'Henry Ford', 'henry@example.com', '12345678910', 'Automotive Engineering,  
CAD', '8 years', 'resume_henry.pdf'),
```

```
('S011', 'Isla Fisher', 'isla@example.com', '12345678911', 'Marketing, SEO', '3 years',  
'resume_isla.pdf'),
```

```
('S012', 'Jack Sparrow', 'jack@example.com', '12345678912', 'Leadership, Negotiation', '10  
years', 'resume_jack.pdf');
```

TABLE : organization

```
INSERT INTO organization (org_name, date_of_establish, ceo) VALUES ('Tech Innovators Inc.', '2005-03-15', 'John Smith'),
('Green Future Co.', '2010-06-22', 'Emma Johnson'),
('HealthFirst LLC', '2000-01-10', 'Michael Brown'),
('EduNation Ltd.', '2015-09-01', 'Sophia Martinez'),
('BuildPro Systems', '1998-07-18', 'James Anderson'),
('Smart Solutions Group', '2018-11-30', 'Olivia Davis'),
('CloudBase Networks', '2012-04-05', 'William Garcia'),
('EcoWave Enterprises', '2020-08-12', 'Charlotte Wilson'),
('NextGen Robotics', '2017-10-20', 'Liam Thomas'),
('FuturePath AI', '2023-02-28', 'Amelia Moore');
```

TABLE : employer

```
INSERT INTO employer (employer_id, dept, email, ph_no, address, org_name)
VALUES ('EMP001', 'IT', 'john.smith@techinnovators.com', '9876543210', '123 Tech Street, NY', 'Tech Innovators Inc.'),
('EMP002', 'R&D', 'emma.johnson@greenfuture.com', '9876543211', '456 Green Way, LA', 'Green Future Co.'),
('EMP003', 'HR', 'michael.brown@healthfirst.com', '9876543212', '789 Health Ave, SF', 'HealthFirst LLC'),
('EMP004', 'Admin', 'sophia.martinez@edunation.com', '9876543213', '101 Edu Lane, TX', 'EduNation Ltd.'),
('EMP005', 'Operations', 'james.anderson@buildpro.com', '9876543214', '202 Build Road, FL', 'BuildPro Systems'),
('EMP006', 'Marketing', 'olivia.davis@smartsolutions.com', '9876543215', '303 Smart Blvd, GA', 'Smart Solutions Group'),
```

('EMP007', 'Cloud', 'william.garcia@cloudbase.com', '9876543216', '404 Cloud Drive, IL', 'CloudBase Networks'),
 ('EMP008', 'Environment', 'charlotte.wilson@ecowave.com', '9876543217', '505 Eco Park, OR', 'EcoWave Enterprises'),
 ('EMP009', 'AI', 'liam.thomas@nextgenrobotics.com', '9876543218', '606 NextGen Rd, WA', 'NextGen Robotics'),
 ('EMP010', 'AI', 'amelia.moore@futurepath.com', '9876543219', '707 FuturePath Ln, MA', 'FuturePath AI');

TABLE : job

```
INSERT INTO job (job_id, job_title, description, req_skills, salary, location, employer_id)
VALUES ('JOB001', 'Software Engineer', 'Develop and maintain software', 'Java, Python, SQL', 85000.00, 'New York, NY', 'EMP001'), ('JOB002', 'Environmental Scientist', 'Research and implement eco-friendly solutions', 'Data Analysis, Environmental Studies', 70000.00, 'Los Angeles, CA', 'EMP002'),
('JOB003', 'HR Manager', 'Manage employee relations and HR policies', 'Communication, People Management', 60000.00, 'San Francisco, CA', 'EMP003'),
('JOB004', 'Education Consultant', 'Guide students in career choices', 'Counseling, Public Speaking', 50000.00, 'Austin, TX', 'EMP004'), ('JOB005', 'Operations Manager', 'Oversee company operations', 'Leadership, Planning', 75000.00, 'Miami, FL', 'EMP005'),
('JOB006', 'Marketing Specialist', 'Create marketing campaigns', 'SEO, Digital Marketing', 55000.00, 'Atlanta, GA', 'EMP006'),
('JOB007', 'Cloud Engineer', 'Design and maintain cloud systems', 'AWS, Azure, Kubernetes', 95000.00, 'Chicago, IL', 'EMP007'),
('JOB008', 'Sustainability Analyst', 'Analyze and improve sustainability efforts', 'Data Analysis, Environmental Science', 65000.00, 'Portland, OR', 'EMP008'),
('JOB009', 'AI Developer', 'Develop AI-driven solutions', 'Machine Learning, Python, TensorFlow', 110000.00, 'Seattle, WA', 'EMP009'), ('JOB010', 'AI Researcher', 'Research in AI and machine learning', 'Deep Learning, Python, R', 120000.00, 'Boston, MA', 'EMP010');
```

TABLE : application

```
INSERT INTO application (app_id, seeker_id, job_id, app_status, app_date) VALUES
('APP001', 'S001', 'JOB001', 'Pending', '2024-12-01'),
('APP002', 'S002', 'JOB002', 'Approved', '2024-12-02'),
('APP003', 'S003', 'JOB003', 'Rejected', '2024-12-03'),
('APP004', 'S004', 'JOB004', 'Pending', '2024-12-04'),
('APP005', 'S005', 'JOB005', 'Approved', '2024-12-05'),

('APP006', 'S006', 'JOB006', 'Pending', '2024-12-06'),
('APP007', 'S007', 'JOB007', 'Rejected', '2024-12-07'),
('APP008', 'S008', 'JOB008', 'Pending', '2024-12-08'),
('APP009', 'S009', 'JOB009', 'Approved', '2024-12-09'),
('APP010', 'S010', 'JOB010', 'Pending', '2024-12-10');
```

Profile Picture Addition

```
ALTER TABLE job_seeker MODIFY resume VARCHAR(255);
ALTER TABLE job_seeker ADD COLUMN profile_pic VARCHAR(255) DEFAULT
NULL;
```