JOB PORTAL DATABASE PROJECT: KEY MILESTONE 3:

GROUP MEMBERS:

M Afnan Khan 22pwcse2155 Mohsin Sajjad 22pwcse2149 M Hassan 22pwcse2105

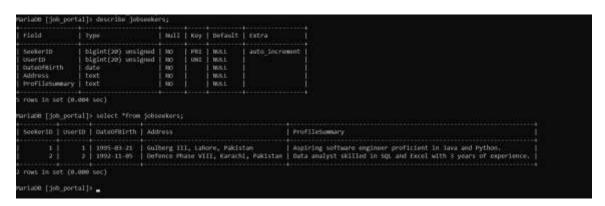
TABLES AND METADATA:

```
MariaDB [(none)]> use job_portal;
Database changed
MariaDB [job_portal]> show tables;
+-----+
| Tables_in_job_portal |
+-----+
| applications |
| employers |
| jobs
| jobseekers |
| resumes |
| users |
+-----+
6 rows in set (0.001 sec)
```

USERS

```
MariaDB [job_portal]> describe users;
 Field
           Type
                                 | Null | Key | Default | Extra
 UserID
            bigint(20) unsigned
                                  NO
                                          PRI
                                                NULL
                                                          auto_increment
             varchar(100)
 Name
                                  NO
                                                NULL
 Email
            varchar(255)
                                  NO
                                          UNI
                                                NULL
            varchar(255)
 Password
                                   NO
                                                NULL
            varchar(10)
 UserType |
                                   NO
                                                NULL
 rows in set (0.010 sec)
MariaDB [job_portal]> select *from users;
 UserID | Name
                                 | Email
                                                          Password
                                                                        UserType
      1 | Ali Khan
                                   ali.khan@domain.pk
                                                          hashed pwd1
                                                                        JobSeeker
                                  fatima.ali@domain.pk |
      2 | Fatima Ali
                                                          hashed pwd2
                                                                        JobSeeker
       3 | Tech Solutions HR
                                 | hr@techsolutions.pk
                                                          hashed pwd3
                                                                        Employer
      4 | Lahore IT Services HR | hr@lahoreit.pk
                                                          hashed pwd4
                                                                        Employer
4 rows in set (0.000 sec)
MariaDB [job_portal]> _
```

Jobseeker



APPLICATIONS

```
MariaDB [job_portal]> select *from applications;
 ApplicationID | JobID | SeekerID | ResumeID | AppliedDate | Status
                                                  2025-06-02
                                                                Pending
                                                                Pending
                                                 2025-06-02
                                                                Pending
                                                 2025-06-02
rows in set (0.000 sec)
MariaDB [job_portal]> describe applications;
Field
                                        Null | Key | Default
                                                                  Extra
 ApplicationID |
                 bigint(20) unsigned
                                                                   auto_increment
                                         NO
                                                PRI
                                                       NULL
 JobID
                  bigint(20) unsigned
                                                MUL
                                                       NULL
                 bigint(20) unsigned
bigint(20) unsigned
 SeekerID
                                         NO
                                                       NULL
                                                MUL
 ResumeID
                                                MUL
                                                       curdate()
 AppliedDate
                 date
 status
                 varchar(10)
                                         NO
                                                       NULL
rows in set (0.010 sec)
tariaDB [job_portal]>
```

EMPLOYERS

Field	Type	Mull	Eoy	Default	Extra		
EmployerID UserID CompanyName CompanyDescription CompanyWebsite VerifiedStatus	bigint(20) unsigned bigint(20) unsigned varcher(255) text varchar(255) tinyint(1)	NO NO NO YES YES	PRI	MULL MULL MULL MULL MULL	auto_increment		
	-Liganicas						
rows in set (0.005					ł		
rows in set (0.005	sec) select "from employer	1	nyDesc	ription	I	CompanySerbsite	verifiedstatus

JOBS:



RESUMES

```
ariaDB [job_portal]> describe resumes;
Field
                                    | Null | Key | Default
              Type
                                                             Extra
              bigint(20) unsigned | NO
                                                              auto_increment
 ResumeID
                                            PRI
                                                   NULL
               bigint(20) unsigned
 SeekerID
                                     NO
                                            MUL
                                                   NULL
 FilePath
               varchar(500)
                                     NO
                                                   NULL
 UploadDate
                                                   curdate()
               date
                                     NO.
 LastUpdated |
                                                  curdate()
               date
                                     NO.
rows in set (0.005 sec)
lariaDB [job_portal]> select *from resumes;
 ResumeID | SeekerID | FilePath
                   1 | /resumes/ali_khan_cv.pdf
                                                        2025-06-02
                                                                     2025-06-02
        2 |
                   2 | /resumes/fatima_ali_resume.pdf | 2025-06-02 |
                                                                     2025-06-02
 rows in set (0.000 sec)
MariaDB[job_portal]> 🕳
```

SQL Queries

-- List all jobs posted by a specific employer

SELECT j.JobID, j.JobTitle, j.Location, j.PostedDate FROM Jobs j JOIN Employers e ON j.EmployerID = e.EmployerID WHERE e.CompanyName = 'XYZ Technologies';

-- List all applications for a specific jobseeker

SELECT a.ApplicationID, j.JobTitle, a.ApplicationDate, a.Status FROM Applications a JOIN Jobs j ON a.JobID = j.JobID WHERE a.JobseekerID = 1;

-- Retrieve jobseeker details along with their resume

SELECT js.FirstName, js.LastName, r.ResumeFilePath FROM Jobseekers js JOIN Resumes r ON js.ResumeID = r.ResumeID WHERE js.JobseekerID = 1;

-- Count number of applications per job

SELECT j.JobTitle, COUNT(a.ApplicationID) AS ApplicationCount FROM Jobs j LEFT JOIN Applications a ON j.JobID = a.JobID GROUP BY j.JobID;

List employers and the number of jobs they have posted	
SELECT e.CompanyName, COUNT(j.JobID) AS JobCount FROM Employers e LEFT JOIN Jobs j ON e.EmployerID = j.EmployerID GROUP BY e.EmployerID;	