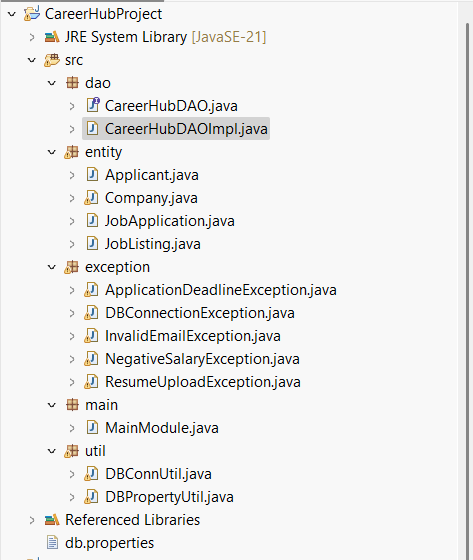
**Project Structure**

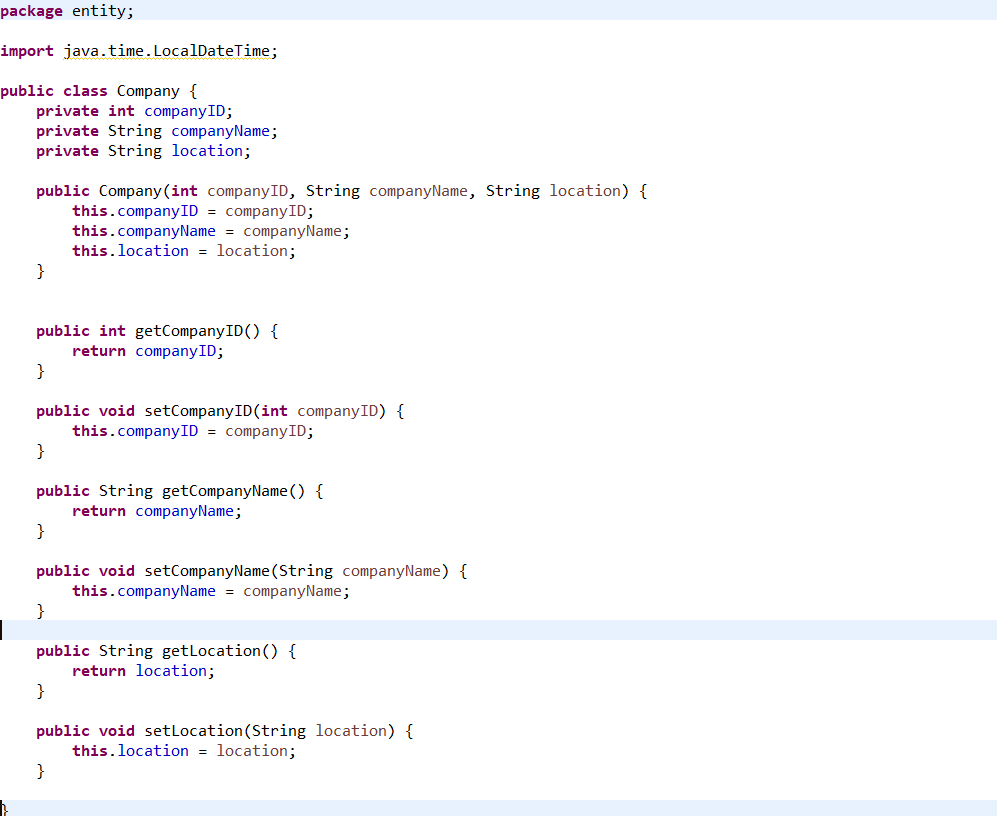


1.Create and implement the mentioned class and the structure in your application.

JobListing Class:



Company Class:



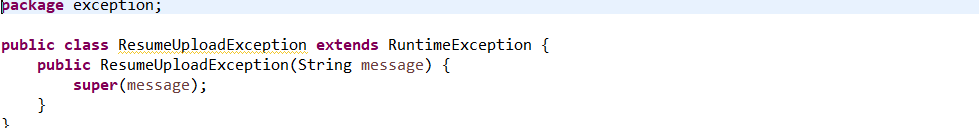
Applicant Class:

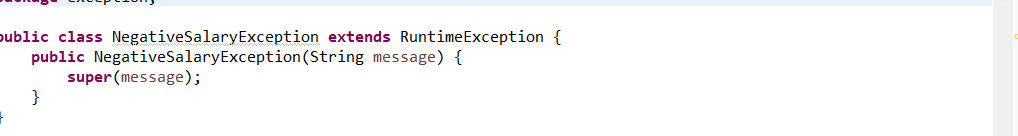


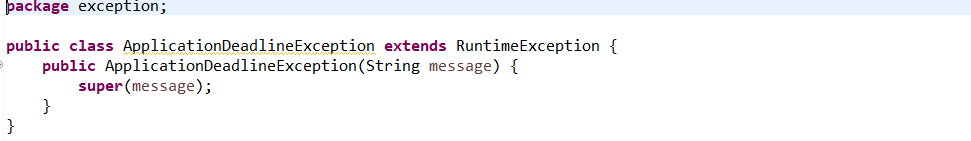
JobApplication Class:

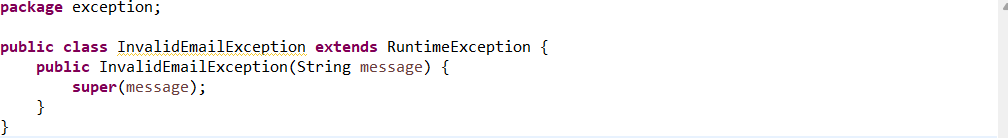


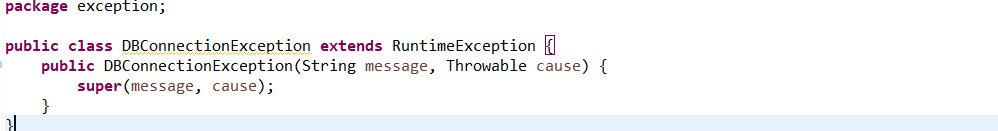
3.Exceptions handling





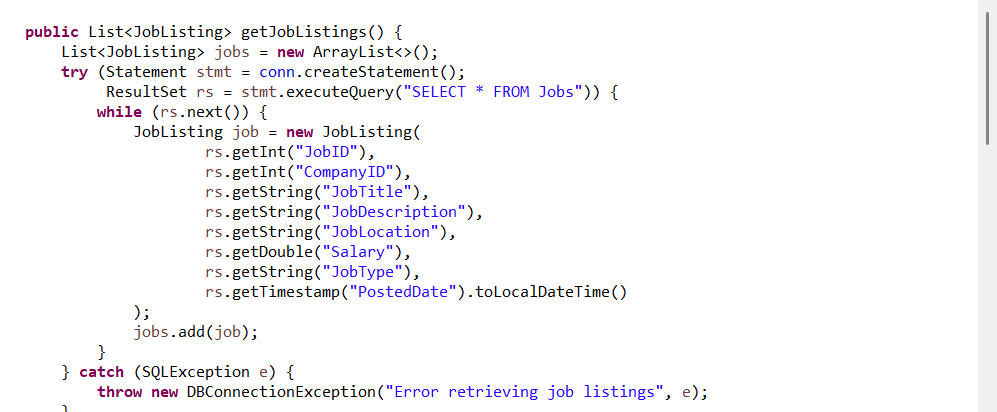




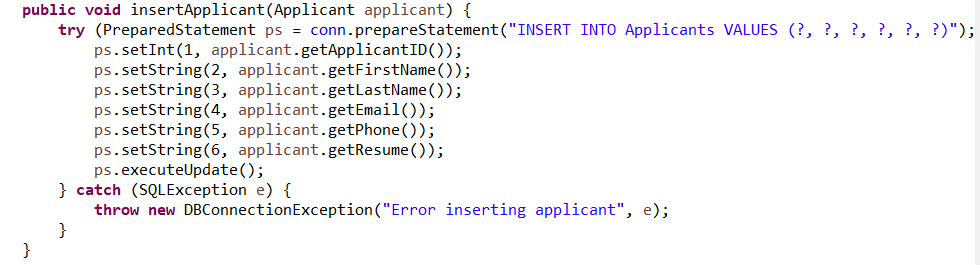


Tasks

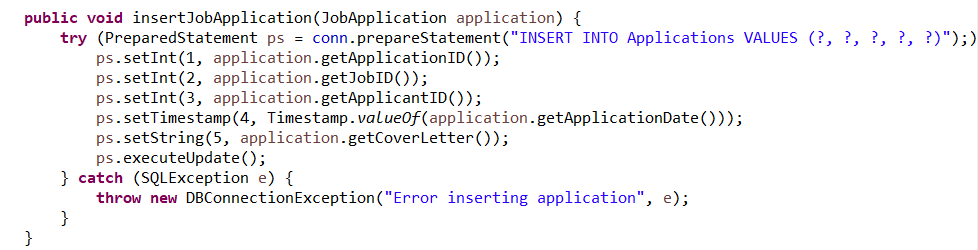
Job Listing Retrieval:



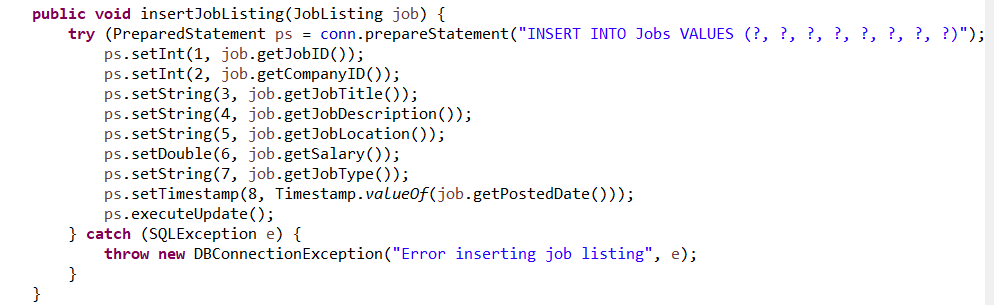
Applicant Profile Creation



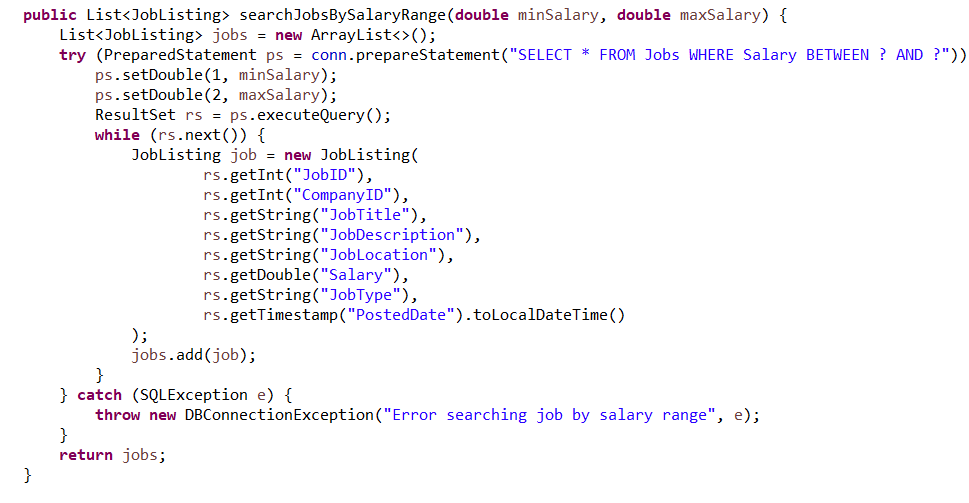
Job Application Submission



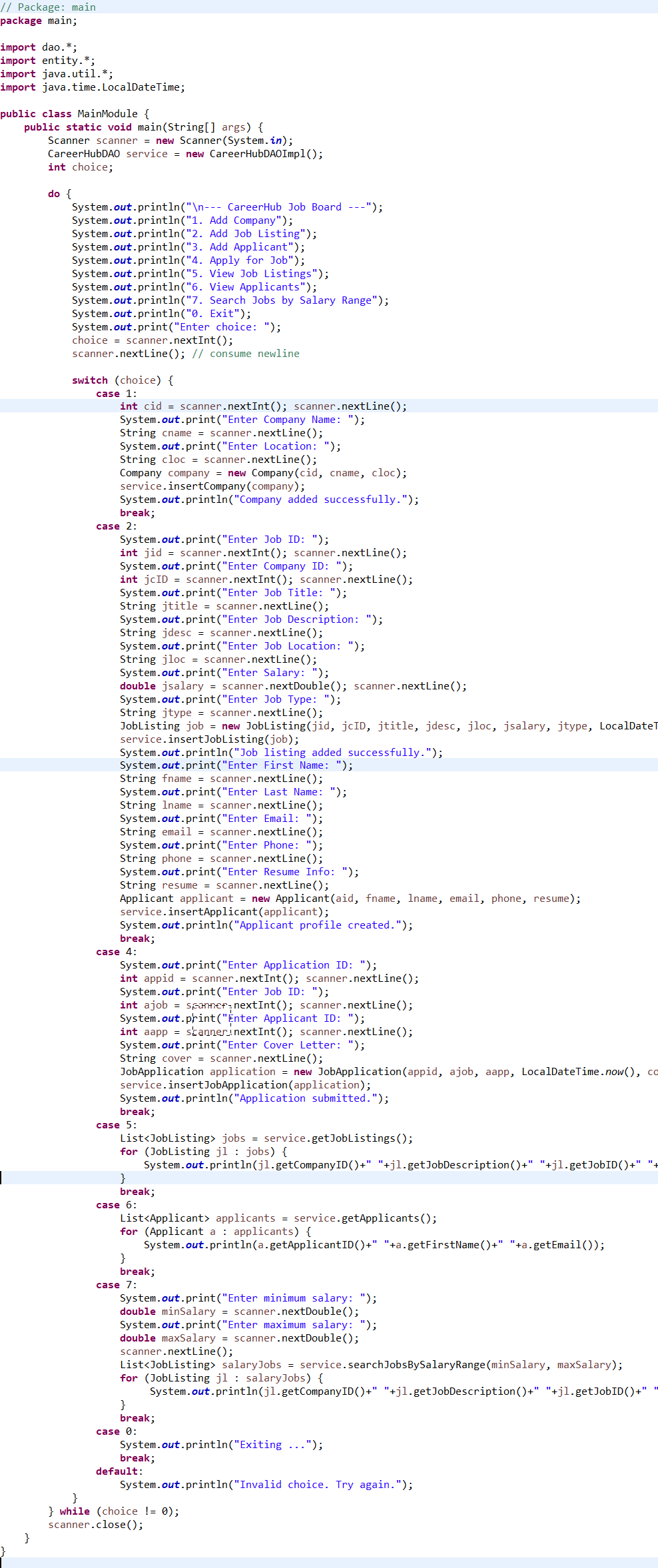
Company Job Posting:



Salary Range Query:



MainModule



DBConnUtil.java



DBPropertyUtil.java



# Sample Input/Output

--- CareerHub Job Board ---

1. Add Company

2. Add Job Listing

3. Add Applicant

4. Apply for Job

5. View Job Listings

6. View Applicants

7. Search Jobs by Salary Range

0. Exit

Enter choice: 5

1 Develop and maintain backend systems 1 San Francisco, CA Senior Software Engineer Senior Software Engineer 145000.0

2 Build machine learning models 2 New York, NY Data Scientist Data Scientist 135000.0

3 Design AWS infrastructure 3 Remote Cloud Architect Cloud Architect 155000.0

4 Research quantum algorithms 4 Boston, MA Quantum Computing Researcher Quantum Computing Researcher 165000.0

5 Build React applications 5 Austin, TX Frontend Developer Frontend Developer 115000.0

6 Design mobile interfaces 6 Los Angeles, CA UI/UX Designer UI/UX Designer 105000.0

7 Maintain corporate network 7 Chicago, IL Network Engineer Network Engineer 125000.0

8 Implement CI/CD pipelines 8 Denver, CO DevOps Engineer DevOps Engineer 130000.0

9 Optimize SQL performance 9 Atlanta, GA Database Administrator Database Administrator 120000.0

10 Build Flutter applications 10 Portland, OR Mobile Developer Mobile Developer 110000.0

11 Monitor network security 11 Washington, DC Security Analyst Security Analyst 140000.0

12 Develop neural networks 12 Raleigh, NC AI Engineer AI Engineer 150000.0

13 Develop green technologies 13 San Diego, CA Sustainability Engineer Sustainability Engineer 125000.0

3 Full time 18 Chennai Software Tester Software Tester 100000.0

--- CareerHub Job Board ---

1. Add Company

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6. View Applicants

7. Search Jobs by Salary Range

0. Exit

Enter choice: 1

Enter Company ID: 15

Enter Company Name: Cognizant

Enter Location: Mubai

Company added successfully.

--- CareerHub Job Board ---

1. Add Company

2. Add Job Listing

3. Add Applicant

4. Apply for Job

5. View Job Listings

6. View Applicants

7. Search Jobs by Salary Range

0. Exit

Enter choice: 2

Enter Job ID: 15

Enter Company ID: 3

Enter Job Title: Developer

Enter Job Description: High Valued Job

Enter Job Location: Mumai

Enter Salary: 490000

Enter Job Type: Part-Time

Job listing added successfully.

--- CareerHub Job Board ---

1. Add Company

2. Add Job Listing

3. Add Applicant

4. Apply for Job

5. View Job Listings

6. View Applicants

7. Search Jobs by Salary Range

0. Exit

Enter choice: 6

1 James james.wilson@email.com

2 Sarah sarah.j@email.com

3 Michael michael.b@email.com

4 Emily emily.d@email.com

5 David david.m@email.com

6 Jennifer jennifer.t@email.com

7 Robert robert.a@email.com

8 Jessica jessica.t@email.com

9 Daniel daniel.j@email.com

10 Elizabeth elizabeth.w@email.com

11 Christopher chris.h@email.com

12 Amanda amanda.m@email.com

13 Matthew matthew.t@email.com

18 Subi subichan003@gmail.com

--- CareerHub Job Board ---

1. Add Company

2. Add Job Listing

3. Add Applicant

4. Apply for Job

5. View Job Listings

6. View Applicants

7. Search Jobs by Salary Range

0. Exit

Enter choice: 7

Enter minimum salary: 70000

Enter maximum salary: 150000

1 Develop and maintain backend systems 1 San Francisco, CA Senior Software Engineer Senior Software Engineer 145000.0

2 Build machine learning models 2 New York, NY Data Scientist Data Scientist 135000.0

5 Build React applications 5 Austin, TX Frontend Developer Frontend Developer 115000.0

6 Design mobile interfaces 6 Los Angeles, CA UI/UX Designer UI/UX Designer 105000.0

7 Maintain corporate network 7 Chicago, IL Network Engineer Network Engineer 125000.0

8 Implement CI/CD pipelines 8 Denver, CO DevOps Engineer DevOps Engineer 130000.0

9 Optimize SQL performance 9 Atlanta, GA Database Administrator Database Administrator 120000.0

10 Build Flutter applications 10 Portland, OR Mobile Developer Mobile Developer 110000.0

11 Monitor network security 11 Washington, DC Security Analyst Security Analyst 140000.0

12 Develop neural networks 12 Raleigh, NC AI Engineer AI Engineer 150000.0

13 Develop green technologies 13 San Diego, CA Sustainability Engineer Sustainability Engineer 125000.0

3 Full time 18 Chennai Software Tester Software Tester 100000.0