

Department of CSE, JU
CSE404 (AI LAB), Exam Year 2020
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Experiment 1: Consider the following database

Codd lectures in course CSE9020 and CSE9314 Backus lectures in course CSE9021 Rictchie lectures in course CSE9201 Minsky lectures in course CSE9414 Backus lectures in course CSE9311	Fred studies in course CSE9020 Jack studies in course CSE9311 Jill studies in course CSE9314 Jill studies in course CSE9414 Henry studies in course CSE9414 Henry studies in course CSE9314
Course CSE9020 is offered in semester summer. Course CSE9201 is offered in semester fall. Course CSE9021 is offered in semester summer. Course CSE9414 is offered in semester spring. Course CSE9311 is offered in semester spring. Course CSE9314 is offered in semester fall.	Do the following: I. Write a rule to show the course lists of any teachers. II. Write a rule to find out who is taught by a teacher. III. Write a rule to report on Fred's summer courses. IV. Write a rule to show if a teacher taught in summer or not? V. Show each students course name.

Experiment 2: Solve N-queen problem using back-tracking algorithm.

Experiment 3: Solve N-queen problem using DFS.

Experiment 4: Solve N-queen problem using BFS.

Experiment 5: Solve N-queen problem using genetic algorithm (GA).