Andrew Gordon

Assignment 2

CS 300-ON

1/22/22

Writing Queries with Relational Algebra

1. **π sname,rating(S)**
2. **σ rating > 8(S)**
3. **π bid (σ color=”red”(B))**
4. **π bid (σ color=”red” ^ “green”(B))**
5. **σ rating (S)**
6. **π sname,rating(σ rating ≤ 7 (S))**
7. ζ **COUNT sid(σ bid=4(R))**
8. **π sname(σ bid=103(R))** **⋈(S)**
9. **π sname(σ color=”red”(B))** **⋈(S) ⋈(R))**
10. **π color (B) ⋈(R) ⋈ σ sname=”Lubber” (S)**
11. **π sname(σ color=”red”^ color=”green”(B))** **⋈(S) ⋈(R))**
12. **π sname(σ age>20(S)) ⋃ σ sid = *null*(R) ⋃ σ color=”red”(B)**