

COURSE: CS/DSA-4513 -DATABASE MANAGEMENT SECTION: 001

SEMESTER: FALL 2021

INSTRUCTOR: Dr. Le Gruenwald

GRADED HOMEWORK NUMBER: 4

GROUP NUMBER: 18

GROUP MEMBERS: Naeem Shahabi Sani, Ashesh Guar, Jay Rothenberger

SCORE:

Problem 1:

a) $\Pi_{\text{person_name}}(\sigma_{\text{company-name} = \text{"BigBank"}}(\text{works}))$

b) $\Pi_{\text{person_name}, \text{city}}(\text{employee} \bowtie (\sigma_{\text{company-name} = \text{"BigBank"}}(\text{works})))$

c) $\Pi_{\text{person_name}, \text{street}, \text{city}}(\sigma_{(\text{company-name} = \text{"BigBank"} \wedge \text{salary} > 10000)} \text{works} \bowtie \text{employee})$

d) $\Pi_{\text{person_name}}(\text{employee} \bowtie \text{works} \bowtie \text{company})$