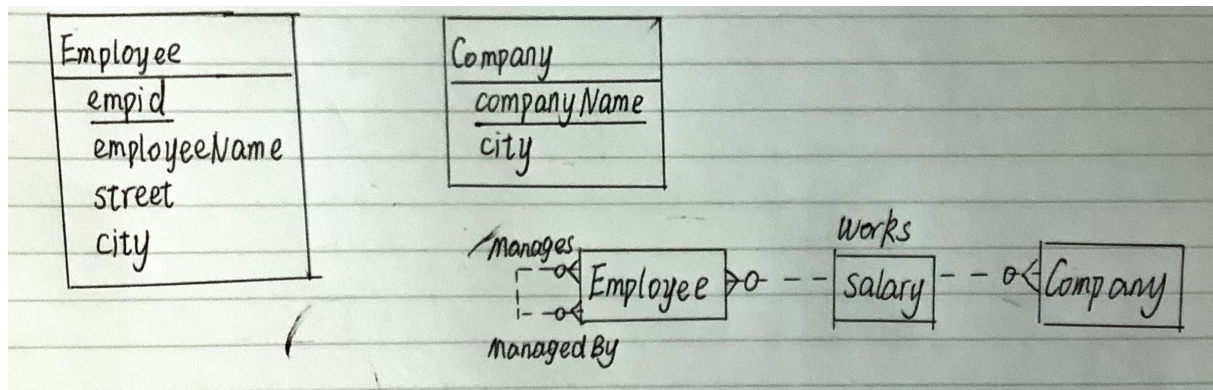# L6Exercise

Zhang Hexiao 20932780

7

8

$$\pi_{empId,employeeName}\sigma_{salary>100,000}((\sigma_{city=\text{Hong Kong}}\text{Employee}) \bowtie \text{Works})$$

9

$$\pi_{empId,employeeName}\text{Employee} - \pi_{empId,employeeName}(\text{Employee} \bowtie_{\text{Employee}.empId=\text{Manages}.managerEmpId} Manages)$$

10

$$\text{EmpWork} \leftarrow \text{Employee} \bowtie \text{Works}$$

$$\pi_{empId,employeeName}(\text{EmpWork} \bowtie_{\text{EmpWork}.city=\text{company}.city} (\sigma_{companyName=\text{First Bank Corporation}}\text{Company}))$$