2.7

b. $\Pi_{\text{person\_name}}(\sigma_{\text{salary}>100000}(\text{works}))$

c. $\Pi_{\text{person\_name}}(\sigma_{\text{city}="Miami" \wedge \text{salary}>100000}(\text{employee} \bowtie \text{works}))$

2.8

b. $\Pi_{\text{customer\_name}}(\sigma_{\text{branch\_name}="Downtown"}(\text{borrower} \bowtie \text{loan}))$

2.12

c. $\Pi_{\text{person\_name,street,city}}(\sigma_{\text{company\_name}="FirstBankCorporation" \wedge \text{salary}>10000}(\text{emplyee} \bowtie \text{works}))$

2.13

b. $\Pi_{\text{customer\_name}}(\sigma_{\text{balance}>6000}(\text{depositor} \bowtie \text{account}))$

c. $\Pi_{\text{customer\_name}}(\sigma_{\text{balance}>6000 \wedge \text{branch\_name}="Uptown"}(\text{depositor} \bowtie \text{account}))$