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Assignment - 2

Amit Raj Pant

Q.N.4

Q.N.1

$$\Pi_{name}(\sigma_{(dept\_name = 'history')}(tbl\_instructor))$$

Q.N.2

$$\Pi_{instructor\_ID,\ dept\_name}(\sigma_{(budget > \$95,000)}(tbl\_instructor \bowtie tbl\_department))$$

Q.N.3

$$\Pi_{name,\ course\_title}(\sigma_{(dept\_name = 'computer\ sci')}(tbl\_instructor \bowtie tbl\_course \bowtie tbl\_teaches))$$

Q.N.4

$$\Pi_{names}(\sigma_{(course\_title = 'game\ design')}(tbl\_course) \bowtie tbl\_student)$$

Q.N.5

$$dept\_name\ \Pi_{max(salary)}(\Pi\ dept\_name\ (tbl\_instructor))$$

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Q.N.6

$dept\_name\,\mathcal{G}_{min(salary)}\,(dept\_name\,\mathcal{G}_{max(salary)}\,(\Pi_{dept\_name}\,(tbl\_instructor)))$

Q.N.7

$\Pi_{id,\,student\_name}\,(\sigma_{(id\ is\ NULL)}\,(tbl\_adviser \bowtie tbl\_student))$