

Hands on 1 - Relational Algebra

Query 1

$\Pi_{\text{Model, MPG, Origin}} (\text{Cars})$
 $\tau_{\text{MPG, top 5}}$
 $\sigma (\text{Cars})$

Query 2

$\rho_{\text{origin, average}} \left(\tau_{\text{origin, average (MPG)}} \right)$
 $\sigma_{\text{average} > 25} (\text{Cars})$

Query 3

$\Pi_{\text{origin, country}} (\text{Cars} \bowtie_{\text{origin=country}} \text{Countries})$