

$$\begin{aligned}
 \text{Total time per query} &= \text{Req.Time} + \text{CompilationTime} + \text{ExecutionTime} + \text{ResponseTime} \\
 &= 1\text{ms} + 1\text{ms} + 1\text{ms} + 1\text{ms} \\
 &= 4\text{ms} \\
 \text{per 1000Queries} &= 4 * 1000 = \underline{4000\text{ms}}
 \end{aligned}$$

Sometime in our application, we need same query but that query has to be executed multiple time with change in input.

IRCTC Application
=> book train ticket

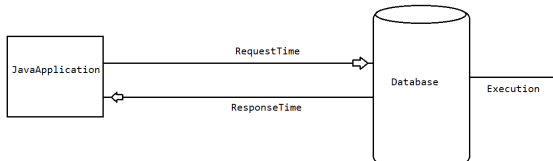
eg: `select * from trains where source = 'XXXX' and destination = 'YYYY'`

Values changes as per the user

BMS Application
=> book tickets for movie based on theatre

eg: `select * from theatres where city = 'XXXX' and movie = 'YYY'`

Values changes as per the user



$$\begin{aligned}
 \text{Total time taken per query} &= \text{RequestTime} + \text{ExecutionTime} + \text{ResponseTime} \\
 &= 1\text{ms} + 1\text{ms} + 1\text{ms} \\
 &= 3\text{ms} \\
 \text{for 1000 queries} &= 3\text{ms} * 1000 = \underline{3000\text{ms}}
 \end{aligned}$$