

A. OLAP and Data Warehouse

Consider the following table, called ProjectWorks

Resource	Task	ManHour	Period
Smith	Java	80	Oct 2010
Smith	Haskell	30	Nov 2010
Smith	C++	90	Oct 2010
Jones	Java	30	Mar 2012
Jones	Haskell	60	Mar 2012
Jones	C++	90	Jan 2011
Doe	Java	50	Dec 2011
Doe	Haskell	70	Jan 2012
Doe	C++	60	Feb 2012
Smith	Java	90	Nov 2010
Smith	Haskell	40	Mar 2011
Smith	C++	60	Apr 2012
Jones	Java	20	Jun 2011
Jones	Haskell	80	Jul 2011
Jones	C++	80	Aug 2011
Doe	Java	60	Aug 2011
Doe	Haskell	60	Jul 2010
Doe	C++	70	Sep 2011

and the query

```
SELECT Resource, Task, SUM(ManHour) AS Work
FROM ProjectWorks
GROUP BY Resource, Task
WITH CUBE
```

- 1) Show the result of the query by filling in the table below

[illegible]