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/*****/
/* Name: Divya Pramasani Mohandoss */
/* Class: CS6070 */
/* Term: Fall 2020 */
/* Assgn #: 4 */
/*****/

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/* A */ select * from PROJECT

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/* B */ select ProjectID, Name as ProjectName, StartDate, EndDate from PROJECT

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/* C */ select * from PROJECT where StartDate < '08-01-2008'

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/* D */ select * from PROJECT where EndDate is NULL

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/* E */ select ProjectID, e.EmployeeNumber, LastName, FirstName, Phone from ASSIGNMENT as a
join EMPLOYEE as e on a.EmployeeNumber = e.EmployeeNumber

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/* F */ select p.ProjectID, Name, p.Department, e.EmployeeNumber, LastName, FirstName, Phone
from ASSIGNMENT as a JOIN EMPLOYEE as e on a.EmployeeNumber = e.EmployeeNumber join
PROJECT as p on a.ProjectID = p.ProjectID

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/* G */ SELECT p.ProjectID, Name as ProjectName, d.DepartmentName, d.Phone as
DepartmentPhone, e.EmployeeNumber, LastName, FirstName, e.Phone as EmployeePhone from
ASSIGNMENT as a join EMPLOYEE as e on a.EmployeeNumber = e.EmployeeNumber join PROJECT as
p on a.ProjectID = p.ProjectID join DEPARTMENT as d on p.Department = d.DepartmentName
order by p.ProjectID

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/* H */ select p.ProjectID, Name as ProjectName, d.DepartmentName, d.Phone as
DepartmentPhone, e.EmployeeNumber, LastName, FirstName, e.Phone as EmployeePhone from
ASSIGNMENT as a join EMPLOYEE as e on a.EmployeeNumber = e.EmployeeNumber join PROJECT as
p on a.ProjectID = p.ProjectID join DEPARTMENT as d on p.Department = d.DepartmentName
where DepartmentName = 'Marketing' order by p.ProjectID

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/* I */ select count(*) as Number_Of_Marketing_Dept_Projects from PROJECT where
Department = 'Marketing'

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/* J */ select sum(MaxHours) as Total_MaxHours_For_Marketing_Dept_Projects from PROJECT
where Department = 'Marketing'

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/*K*/ select avg(MaxHours) as Average_MaxHours_For_Marketing_Dept_Projects from PROJECT  
where Department = 'Marketing'
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/*L*/ select Department, count(*) as Number_Of_Dept_Projects from PROJECT group by  
Department
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