**STUDENT’S NAME:** Kantapong Wongsanguan

**ASSIGNMENT-2 SUBMISSION**

Provide SQL queries for all the **10 questions** :

**( Include SQL Statement and screenshot of Results-Grid from your workbench)**

**SQL-1**

select FacFirstName as "FirstName", FacLastName as "LastName", FacCity as "City", FacSalary, replace(format((FacSalary \* 0.95), 0), ',', '') As "DecreasedSalary",

DATE\_FORMAT(FacHireDate, '%c/%e/%Y') as "HireDate"

from faculty

where year(FacHireDate) < 1998;

A screenshot of a computer

Description automatically generated with low confidence

**SQL-2**

select o1.FacSSN as "facssn", concat(f1.FacFirstName, ' ',f1.FacLastName) as "Faculty Name", o1.OffYear as "Offyear", o1.CourseNo

from offering o1

join faculty f1 on o1.FacSSN = f1.FacSSN

join faculty f2 on f1.FacSupervisor = f2.FacSSN

join offering o2 on f2.FacSSN = o2.FacSSN

where o1.OffYear = o2.OffYear and o1.CourseNo = o2.CourseNo;

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**SQL-3**

select o.OfferNo, o.CourseNo, concat(f.FacFirstName, ' ',f.FacLastName) as "Instructor Name"

from offering o

join faculty f on o.facssn = f.facssn

where o.courseno like "%FIN%" and o.offterm = "WINTER" and o.offyear = 2006 and f.facrank = "PROF";

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**SQL-4**

select StdMajor, format(sum(StdGPA)/count(StdGPA), 1) as "AvgGPA"

from student

group by StdMajor;

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**SQL-5**

select OffLocation, count(\*) as "2006OfferCount"

from offering

where offyear = "2006"

group by offlocation;

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**SQL-6**

select o.OfferNO, o.CourseNo, o.OffDays, o.OffLocation, o.OffTime, f.FacLastName

from offering o

join enrollment e on e.offerno = o.offerno

join registration r on r.RegNo = e.RegNo

join student s on s.stdssn = r.stdssn

join faculty f on o.facssn = f.facssn

where o.offyear = "2006" and s.stdssn = "678901234" ;

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**SQL-7**

select c.CrsDesc, o.CourseNo, count(o.courseno), format(sum(o.offnumenrolled)/count(o.courseno), 0) as "AvgEnroll"

from offering o

join course c on o.courseno = c.courseno

where o.offnumenrolled > 0

group by o.courseno

order by o.courseno;

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Description automatically generated with medium confidence

**SQL-8**

select o.OfferNo, o.CourseNo, LPAD(f.facssn, 9, 0) as "faculty.FacSSN", f.FacFirstName ,f.FacLastName

from offering o

left join faculty f on o.facssn = f.facssn

where o.courseno like "IS%"

order by f.facssn;

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Description automatically generated with medium confidence

**SQL-9**

select distinct o.FacSSN, concat(f.FacFirstName, ' ',f.FacLastName) as "Instructor Name", f.FacCity

from offering o

join faculty f on o.facssn = f.facssn

where o.offterm = "WINTER";

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Description automatically generated with medium confidence

**SQL-10**

select distinct f.FacFirstName, f.FacLastName, f.FacRank, concat(f2.facfirstname, ' ', f2.faclastname) as Supervisor

from faculty f

join offering o on f.facssn = o.facssn

join faculty f2 on f.FacSupervisor = f2.facssn

where o.CourseNo like "%IS%" and o.OffYear = "2006";

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