

```
CREATE VIEW SUPERVISION_INFO
AS SELECT I.InstructorId as IId,
I.FName AS IFName,
I.LName AS ILName,
P.StudentId AS SId,
P.FName AS SFName,
P.LName AS SLName,
P.StSem AS SStSem,
P.StYear SStYear
FROM INSTRUCTOR AS I, PHD_STUDENT AS P
where P.Supervisor=I.InstructorId AND
I.Typs="TT";
```

```
/*To show all the records in the view table */
SELECT * FROM SUPERVISION_INFO;
```

```
DROP view SUPERVISION_INFO;
```

```
/*2A. Retrieve for each instructor the IId, IFName, ILName, NoOfStudentsSupervised
(the last is a COUNT aggregate function) */
SELECT DISTINCT IId, IFName, ILName, COUNT(IId) AS "NoOfStudentsSupervised"
FROM SUPERVISION_INFO
GROUP BY IId ;
```

```
/*2B. Retrieve the student names (FName, LName) whose supervisor is FName=Ahmed and
LName= Sarhan */
```

```
SELECT SFName, SLName
FROM SUPERVISION_INFO
WHERE IFName='Ahmed'
AND ILName='Sarhan';
```

```
/* 2C. Retrieve the supervisor names (FName, LName) for the students whose names
(FName, LName) are Ife,Jelani and Maya,Smith and
Raymond,Wilson (include the student names in the result). */
SELECT IFName, ILName, SFName, SLName
FROM SUPERVISION_INFO
WHERE SFName='Ife' and SLName='Jelani'
or SFName='Maya' and SLName='Smith'
or SFName='Raymond' and SLName='Wilson';
```

/* 3(i) Retrieve the PHDSTUDENT Id, FName, LName, and MILESTONE MName and PassDate for the milestones passed by each student. */

```
SELECT P.StudentId, P.FName, P.LName, M.Mname, MP.PassDate
FROM PHD_STUDENT AS P, MILESTONESPASSED AS MP, MILESTONE AS M
WHERE P.StudentId=MP.StudentId
AND M.MId=MP.MId;
```

/* 3(ii) Retrieve the PHDSTUDENT Id, FName, Lname, and the supporting GRANT Name for all students who are GRAs.*/

```
SELECT P.StudentId, P.FName, P.LName, G.Granttitle AS "Grant Name"
FROM PHD_STUDENT AS P, GRA AS GR, GRANTSS AS G
WHERE P.StudentId=GR.StudentId
AND GR.Funding=G.AccountNo;
```

/*3(iii)Retrieve the PHDSTUDENT Id, FName, Lname, and the COURSE Name they are working on for all students who are GTAs. */

```
SELECT P.StudentId, P.FName, P.LName, C.CName
FROM PHD_STUDENT AS P, GTA AS GT, COURSE AS C, SECTION AS S
WHERE P.StudentId= GT.StudentId
AND GT.SectionId=S.SectionId
AND C.CourseId= S.CourseId;
```

SELECT * FROM SUPERVISION_INFO;

	IId	IFName	ILName	SIId	SFName	SLName	SStSem	SStYear
▶	AO5671	Adegoke	Olubummo	AA1234	Abimbola	Abioye	Fall	2016
	AO5671	Adegoke	Olubummo	AA2345	Afia	Achebe	Fall	2016
	AO5671	Adegoke	Olubummo	AJ1934	Adriana	Johnson	Fall	2016
	AO5671	Adegoke	Olubummo	AL8345	Alejandro	Lopez	Fall	2016
	AO5671	Adegoke	Olubummo	AM2950	Armand	Martin	Fall	2016
	AO5671	Adegoke	Olubummo	BD5678	Berko	Dogo	Fall	2017
	AO5671	Adegoke	Olubummo	DB1783	Dakota	Benally	Fall	2016
	AO5671	Adegoke	Olubummo	DB6291	Dyani	Begay	Fall	2016
	AO5671	Adegoke	Olubummo	FS6892	Francisco	Sanchez	Fall	2018
	AO5671	Adegoke	Olubummo	IS2945	Ivan	Sokolov	Fall	2016
	AO5671	Adegoke	Olubummo	JG8927	Jose	Garcia	Fall	2016
	AO5671	Adegoke	Olubummo	JP9384	Jung	Park	Fall	2016
	AO5671	Adegoke	Olubummo	MS1259	Maya	Smith	Fall	2016
	AO5671	Adegoke	Olubummo	VA1938	Vivaan	Ahuja	Fall	2016
	AO5671	Adegoke	Olubummo	VW8930	Violet	Williams	Fall	2016
	AO5671	Adegoke	Olubummo	ZW1029	Zhang	Wei	Fall	2016
	AS2348	Ahmed	Sarhan	AB2903	Aditya	Bhatt	Fall	2016
	AS2348	Ahmed	Sarhan	AJ1836	Alice	Jones	Fall	2016
	AS2348	Ahmed	Sarhan	AM8051	Antonio	Martinez	Fall	2016
	AS2348	Ahmed	Sarhan	AY2653	Adarsh	Yadav	Fall	2017
	AS2348	Ahmed	Sarhan	BE1256	Bosede	Eesuola	Fall	2017
	AS2348	Ahmed	Sarhan	FE6789	Fumnaya	Egebe	Fall	2017
	AS2348	Ahmed	Sarhan	JR1930	Jesus	Rodriguez	Fall	2016
	AS2348	Ahmed	Sarhan	KJ1928	Kim	Jee	Fall	2018
	AS2348	Ahmed	Sarhan	KY4892	Kaya	Yazzie	Fall	2016
	AS2348	Ahmed	Sarhan	LB2673	Leo	Bernard	Fall	2017

	AS2348	Ahmed	Sarhan	RW9267	Raymond	Wilson	Fall	2017
	AS2348	Ahmed	Sarhan	RY1726	Rhee	Yi	Fall	2017
	AS2348	Ahmed	Sarhan	SP1938	Sai	Paranjape	Fall	2017
	AS2348	Ahmed	Sarhan	SS1304	Simarjeet	Suri	Fall	2017
	AS2348	Ahmed	Sarhan	VB1059	Victor	Brown	Fall	2017
	AS2348	Ahmed	Sarhan	XY2938	Xiu	Ying	Fall	2016
	BL9856	Barbara	Liskov	AK1958	Abdul	Kalam	Fall	2018
	BL9856	Barbara	Liskov	AW1023	Abdurra...	Wahid	Fall	2017
	BL9856	Barbara	Liskov	CC6716	Chayton	Chavis	Fall	2018
	BL9856	Barbara	Liskov	JF1092	Josefina	Flores	Fall	2017
	BL9856	Barbara	Liskov	JG1036	Juan	Gonzalez	Fall	2016
	BL9856	Barbara	Liskov	KH1029	Ki	Hajar	Fall	2016
	BL9856	Barbara	Liskov	MA1234	Miguel	Angel	Fall	2018
	BL9856	Barbara	Liskov	MG1940	Maanas	Gandhi	Fall	2018
	BL9856	Barbara	Liskov	NN1629	Nokomis	Nez	Fall	2017
	BL9856	Barbara	Liskov	PH2091	Pocahon...	Hill	Fall	2018
	BL9856	Barbara	Liskov	RK1489	Ranomi	Kromo...	Fall	2016
	BL9856	Barbara	Liskov	SJ1947	Salil	Jha	Fall	2018
	BL9856	Barbara	Liskov	TC1038	Tala	Castillo	Fall	2018
	BL9856	Barbara	Liskov	WW3847	Wang	Wei	Fall	2016
	RB1897	Ravindran	Balaraman	AD1035	Ashish	Dwivedi	Fall	2017
	RB1897	Ravindran	Balaraman	BM1745	Ben	Mueller	Fall	2016
	RB1897	Ravindran	Balaraman	EN4589	Emeka	Nenge	Fall	2018
	RB1897	Ravindran	Balaraman	FK8907	Folami	Kanye	Fall	2017
	RB1897	Ravindran	Balaraman	GD1948	Gabriel	Durand	Fall	2017
	RB1897	Ravindran	Balaraman	GM6294	Gabriella	Miller	Fall	2017
	RB1897	Ravindran	Balaraman	IJ1569	Ife	Jelani	Fall	2017
	RB1897	Ravindran	Balaraman	JT6936	Jules	Thomas	Fall	2018
	RB1897	Ravindran	Balaraman	LF150	Luis	Fischer	Fall	2018
	RB1897	Ravindran	Balaraman	PG2469	Patricia	Gomez	Fall	2017
	RB1897	Ravindran	Balaraman	SD1946	Shalini	Desai	Fall	2017
	SB2561	Sangha...	Bandyop...	AP2578	Anastasia	Petrov	Fall	2017
	SB2561	Sangha...	Bandyop...	HA2680	Hector	Adams	Fall	2018
	SB2561	Sangha...	Bandyop...	KO1905	Kojo	Okoro	Fall	2018
	SB2561	Sangha...	Bandyop...	LM1405	Lucinda	Moreau	Fall	2018
	SB2561	Sangha...	Bandyop...	NZ1278	Nia	Zivai	Fall	2018
	SB2561	Sangha...	Bandyop...	SC1894	Steven	Cooper	Fall	2018

Queries:

2A.

IId	IFName	ILName	NoOfStudentsSupervised
AO5671	Adegoke	Olubummo	16
AS2348	Ahmed	Sarhan	26
BL9856	Barbara	Liskov	14
RB1897	Ravindran	Balaraman	11
SB2561	Sanghamitra	Bandyopadhyay	6

2B

SFName	SLName
Aditya	Bhatt
Alice	Jones
Antonio	Martinez
Adarsh	Yadav
Bosedede	Eesuola
Fumnaya	Egebe
Jesus	Rodriguez
Kim	Jee
Kaya	Yazzie
Leo	Bernard
Li	Ying
Muham...	Ansari
Mikhail	Ivanov
Malia	Locklear
Mika	Nyhoff
Maria	Perez
Noah	Schmidt
Odina	Toledo
Parvinder	Singh
Rosa	Sanchez
Raymond	Wilson
Rhee	Yi
Sai	Paranjape
Simarjeet	Suri
Victor	Brown
Xiu	Ying

2C

IFName	ILName	SFName	SLName
Adegoke	Olubummo	Maya	Smith
Ahmed	Sarhan	Raymond	Wilson
Ravindran	Balaraman	Ife	Jelani

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StudentId	FName	LName	Mname	PassDate
FK8907	Folami	Kanye	Comprehensive Exam	5/7/2018
JP9384	Jung	Park	Comprehensive Exam	12/7/2017
KH1029	Ki	Hajar	Comprehensive Exam	12/7/2017
MN2903	Mika	Nyhoff	Comprehensive Exam	12/7/2017
RK1489	Ranomi	Kromowidjojo	Comprehensive Exam	12/7/2017
WW3847	Wang	Wei	Comprehensive Exam	12/7/2017
XY2938	Xiu	Ying	Comprehensive Exam	12/7/2017
ZW1029	Zhang	Wei	Comprehensive Exam	12/7/2017
AA1234	Abimbola	Abioye	Committee Formed	12/1/2016
AA2345	Afia	Achebe	Committee Formed	12/1/2016
AB2903	Aditya	Bhatt	Committee Formed	12/5/2016
AJ1836	Alice	Jones	Committee Formed	12/2/2016
AJ1934	Adriana	Johnson	Committee Formed	12/2/2016
AK1958	Abdul	Kalam	Committee Formed	12/7/2017
AL8345	Alejandro	Lopez	Committee Formed	12/5/2016
AM2950	Armand	Martin	Committee Formed	12/5/2016
AM8051	Antonio	Martinez	Committee Formed	12/6/2016
BD5678	Berko	Dogo	Committee Formed	12/7/2017
BE1256	Bosedede	Eesuola	Committee Formed	12/7/2017
BM1745	Ben	Mueller	Committee Formed	12/5/2016
DB1783	Dakota	Benally	Committee Formed	12/7/2016
DB6291	Dyani	Begay	Committee Formed	12/7/2016
EN4589	Emeka	Nenge	Committee Formed	12/6/2018
FE6789	Fumnaya	Egebe	Committee Formed	12/7/2017
FK8907	Folami	Kanye	Committee Formed	12/7/2017
HA2680	Hector	Adams	Committee Formed	12/8/2018
IJ1569	Ife	Jelani	Committee Formed	12/7/2017
IS2945	Ivan	Sokolov	Committee Formed	12/2/2016
JG1036	Juan	Gonzalez	Committee Formed	12/6/2016
JG8927	Jose	Garcia	Committee Formed	12/5/2016
JP9384	Jung	Park	Committee Formed	12/9/2016
JR1930	Jesus	Rodriguez	Committee Formed	12/6/2016
KH1029	Ki	Hajar	Committee Formed	12/9/2016
KO1905	Kojo	Okoro	Committee Formed	12/7/2018
KY4892	Kaya	Yazzie	Committee Formed	12/8/2016
MA1968	Muham...	Ansari	Committee Formed	12/5/2016
MN2903	Mika	Nyhoff	Committee Formed	12/8/2016
MS1259	Maya	Smith	Committee Formed	12/2/2016
NZ1278	Nia	Zivai	Committee Formed	12/7/2018
RK1489	Ranomi	Kromowidjojo	Committee Formed	12/8/2016

SJ1947	Salil	Jha	Committee Formed	12/7/2017
VA1938	Vivaan	Ahuja	Committee Formed	12/5/2016
VW8930	Violet	Williams	Committee Formed	12/2/2016
WW3847	Wang	Wei	Committee Formed	12/8/2016
XY2938	Xiu	Ying	Committee Formed	12/8/2016
ZW1029	Zhang	Wei	Committee Formed	12/8/2016
DB1783	Dakota	Benally	Diagnostics Evaluation	6/5/2017
DB6291	Dyani	Begay	Diagnostics Evaluation	6/6/2017
FK8907	Folami	Kanye	Diagnostics Evaluation	12/7/2017
IJ1569	Ife	Jelani	Diagnostics Evaluation	12/6/2017
JP9384	Jung	Park	Diagnostics Evaluation	6/7/2017
KH1029	Ki	Hajar	Diagnostics Evaluation	6/7/2017
KY4892	Kaya	Yazzie	Diagnostics Evaluation	6/6/2017
MN2903	Mika	Nyhoff	Diagnostics Evaluation	6/6/2017
RK1489	Ranomi	Kromowidjojo	Diagnostics Evaluation	6/7/2017
WW3847	Wang	Wei	Diagnostics Evaluation	6/7/2017
XY2938	Xiu	Ying	Diagnostics Evaluation	6/7/2017
ZW1029	Zhang	Wei	Diagnostics Evaluation	6/7/2017
JP9384	Jung	Park	Proposal	12/8/2018
KH1029	Ki	Hajar	Proposal	12/7/2018
RK1489	Ranomi	Kromowidjojo	Proposal	12/7/2018

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StudentId	FName	LName	Grant Name
CC6716	Chayton	Chavis	GAANN
WW3847	Wang	Wei	GAANN
XY2938	Xiu	Ying	GAANN
ZW1029	Zhang	Wei	GAANN
JP9384	Jung	Park	University Transportation
KJ1928	Kim	Jee	University Transportation
RY1726	Rhee	Yi	University Transportation
AW1023	Abdurrahman	Wahid	Resistance to Infections
KH1029	Ki	Hajar	Resistance to Infections
LY1049	Li	Ying	Undergraduate Experiences
RK1489	Ranomi	Krom...	Undergraduate Experiences

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StudentId	FName	LName	CName
TC1038	Tala	Castillo	Introduction to programming
PH2091	Pocahontas	Hill	Intermediate Programming
MG1940	Maanas	Gandhi	Object-Oriented Programming
AD1035	Ashish	Dwivedi	Programming Languages
MP3478	Maria	Perez	Programming Languages
ML3902	Malia	Locklear	Programming Languages
NN1629	Nokomis	Nez	Fundamentals of Software Engineering
OT8190	Odina	Toledo	Fundamentals of Software Engineering
RS1903	Rosa	Sanchez	Fundamentals of Software Engineering
PG2469	Patricia	Gomez	Database 1
LM1405	Lucinda	Moreau	Database 1
MA1234	Miguel	Angel	Database 1
FS6892	Francisco	Sanchez	Embedded Systems
AK1958	Abdul	Kalam	Embedded Systems
SJ1947	Salil	Jha	Embedded Systems
SP1938	Sai	Paranjape	Parallel Processing
AY2653	Adarsh	Yadav	Parallel Processing
SD1946	Shalini	Desai	Parallel Processing
JF1092	Josefina	Flores	Operating System
PS1904	Parvinder	Singh	Operating System
SS1304	Simarjeet	Suri	Operating System
JG1036	Juan	Gonzalez	Software Design
VA1938	Vivaan	Ahuja	Software Design
AB2903	Aditya	Bhatt	Software Design
JR1930	Jesus	Rodriguez	Artificial Intelligence
MA1968	Muhammad	Ansari	Artificial Intelligence
JG8927	Jose	Garcia	Artificial Intelligence
AL8345	Alejandro	Lopez	Neural Networks
AM8051	Antonio	Martinez	Neural Networks
KY4892	Kaya	Yazzie	Neural Networks
MN2903	Mika	Nyhoff	Computer Graphics
DB6291	Dyani	Begay	Computer Graphics
DB1783	Dakota	Benally	Computer Graphics