

101 • **SELECT \* FROM IAMARKS;**

	USN	SUBCODE	SSID	TEST1	TEST2	TEST3	FINALIA
▶	1GA22AI101	CS101	SSID1	18	20	19	20
	1GA22AI101	MA101	SSID1	15	16	14	18
	1GA22AI102	CS101	SSID2	12	14	13	15
	1GA22AI103	CS102	SSID3	17	18	19	19
	1GA22AI103	MA102	SSID3	16	17	15	16
	1GA22AI104	CS201	SSID4	14	15	13	14
	1GA22AI104	MA201	SSID4	13	14	12	13
	1GA22AI105	CS201	SSID5	19	20	18	20
	1GA22AI105	MA201	SSID5	18	17	19	20
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL

108 #Query 1

	USN	SNAME	ADDRESS	PHONE	GENDER	SEM	SEC
▶	1GA22AI101	Alice	123 Main St	9876543210	F	4	C

108 #Query 2

	SEM	SEC	Male_Count	Female_Count
▶	4	C	0	1
	4	A	1	0
	5	B	1	0
	5	D	0	1
	8	A	0	1

124 # Query 3

	USN	SUBCODE	TEST1
▶	1GA22AI101	CS101	18
	1GA22AI101	MA101	15

128 # Query 4

	USN	SNAME	Category
▶	1GA22AI105	Eva	Outstanding
	1GA22AI105	Eva	Outstanding

72 • **DESC EMPLOYEE;**

	Field	Type	Null	Key	Default
▶	SSN	varchar(20)	NO	PRI	NULL
	FNAME	varchar(20)	YES		NULL
	LNAME	varchar(20)	YES		NULL
	ADDRESS	varchar(50)	YES		NULL
	SEX	char(1)	YES		NULL
	SALARY	int	YES		NULL
	SUPERSSN	varchar(20)	YES	MUL	NULL
	DNO	varchar(20)	YES	MUL	NULL

73 • **DESC Department;**

	Field	Type	Null	Key	Default
▶	DNO	varchar(20)	NO	PRI	NULL
	DNAME	varchar(20)	YES		NULL
	MGRSTARTDATE	date	YES		NULL
	MGRSSN	varchar(20)	YES	MUL	NULL

150 • **SELECT \* FROM DEPARTMENT;**

	DNO	DNAME	MGRSTARTDATE	MGRSSN
▶	D1	HR	2022-01-15	E101
	D2	Finance	2022-03-01	E102
	D3	IT	2022-05-10	E103
	D4	Accounts	2023-07-01	E106
	D5	Sales	2023-08-15	E107
*	NULL	NULL	NULL	NULL

74 • **DESC DLOCATION;**

	Field	Type	Null	Key	Default
▶	DLOC	varchar(20)	NO	PRI	NULL
	DNO	varchar(20)	NO	PRI	NULL

75 • DESC Project;

Result Grid Filter Rows: Export:

	Field	Type	Null	Key	Default
▶	PNO	int	NO	PRI	NULL
	PNAME	varchar(30)	YES		NULL
	PLOCATION	varchar(30)	YES		NULL
	DNO	varchar(20)	YES	MUL	NULL

76 • DESC WORKS\_ON;

Result Grid Filter Rows: Ex

	Field	Type	Null	Key	Default
▶	HOURS	int	YES		NULL
	SSN	varchar(20)	NO	PRI	NULL
	PNO	int	NO	PRI	NULL

151 • SELECT \* FROM EMPLOYEE;

Result Grid Filter Rows: Edit: Export/Import

	SSN	FNAME	LNAME	ADDRESS	SEX	SALARY	SUPERSSN	DNO
▶	E101	Alice	Johnson	123 Maple Ave	F	950000	NULL	D1
	E102	Bob	Smith	456 Oak St	M	850000	E101	D2
	E103	Carol	Taylor	789 Pine Rd	F	700000	E101	D3
	E104	David	Williams	321 Elm St	M	750000	E102	D1
	E105	Eva	Brown	654 Cedar Blvd	F	900000	E102	D2
	E106	Frank	Jones	234 Maple St	M	720000	NULL	D4
	E107	Grace	Davis	789 Elm St	F	800000	E106	D4
	E108	Hardin	Scott	345 Oak St	M	850000	E107	D5
	E109	Irene	Wilson	567 Pine St	F	780000	E108	D5
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

152 • SELECT \* FROM DLOCATION;

Result Grid Filter Rows:

	DLOC	DNO
▶	New York	D1
	Chicago	D2
	San Francisco	D3
	Dallas	D4
	Los Angeles	D5
*	NULL	NULL

153 • SELECT \* FROM PROJECT;

Result Grid Filter Rows:

	PNO	PNAME	PLOCATION	DNO
▶	101	Website Redesign	New York	D1
	102	Financial Analysis	Chicago	D2
	103	IoT	San Francisco	D3
*	NULL	NULL	NULL	NULL

218 -- Query 3

Result Grid Filter Rows: Export:

	TOTAL_SALARY	MAX_SALARY	MIN_SALARY	AVG_SALARY
▶	1520000	800000	720000	760000.0000

161 # Query 2

162

Result Grid Filter

	MOV_TITLE
▶	Avengers: Endgame
	Inception
	Star Wars

218 -- Query 1

Result Grid Filter Rows:

	PNO
▶	103

218 -- Query 5

Result Grid Filter Rows:

	DNO	Num_Employees
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218 -- Query 2

Result Grid Filter Rows:

	SSN	NEW_SALARY
▶	E103	770000.00
	E108	935000.00

154 • SELECT \* FROM WORKS\_ON;

Result Grid Filter Rows:

	HOURS	SSN	PNO
▶	40	E101	101
	35	E102	102
	30	E103	103
	25	E104	101
	20	E105	102
	24	E108	103
*	NULL	NULL	NULL

218 -- Query 4

Result Grid Filter

	FNAME	LNAME
▶	Alice	Johnson
	Bob	Smith
	Carol	Taylor
	David	Williams
	Eva	Brown
	Frank	Jones
	Grace	Davis
	Hardin	Scott
	Irene	Wilson

114 • SELECT \* FROM ACTOR;

	ACT_ID	ACT_NAME	ACT_GENDER
▶	1	Robert Downey Jr.	M
	2	Scarlett Johansson	F
	3	Chris Hemsworth	M
	4	Mark Ruffalo	M
	5	Tom Holland	M
	6	Gal Gadot	F
	7	Harrison Ford	M
•	NULL	NULL	NULL

116 • SELECT \* FROM DIRECTOR;

	DIR_ID	DIR_NAME	DIR_PHONE
▶	1	Steven Spielberg	1234567890
	2	Christopher Nolan	9876543210
	3	James Cameron	5555555555
	4	Quentin Tarantino	4444444444
	5	Patty Jenkins	3333333333
	6	Alfred Hitchcock	2222222222
•	NULL	NULL	NULL

146 • SELECT \* FROM MOVIE\_CAST;

147

	ACT_ID	MOV_ID	ROLE
▶	1	1	Iron Man
	1	2	Iron Man
	2	1	Black Widow
	2	2	Black Widow
	3	1	Thor
	3	7	Thor
	4	1	Hulk
	5	2	Peter Parker
	5	7	Peter Parker
	6	5	Wonder Woman
	7	7	Han Solo
	7	8	Rick Deckard
•	NULL	NULL	NULL

118 • SELECT \* FROM MOVIES;

	MOV_ID	MOV_TITLE	MOV_YEAR	MOV_LANG	DIR_ID
▶	1	Avengers: Endgame	2019	English	1
	2	Inception	2010	English	2
	3	Titanic	1997	English	3
	4	Pulp Fiction	1994	English	4
	5	Wonder Woman	2017	English	5
	6	Psycho	1960	English	6
	7	Star Wars	1977	English	1
	8	Blade Runner 2049	2017	English	1
•	NULL	NULL	NULL	NULL	NULL

25 • DESC DIRECTOR;

	Field	Type	Null	Key	Default
▶	DIR_ID	int	NO	PRI	NULL
	DIR_NAME	varchar(20)	YES		NULL
	DIR_PHONE	bigint	YES		NULL

27 • DESC MOVIE\_CAST;

	Field	Type	Null	Key	Default
▶	ACT_ID	int	NO	PRI	NULL
	MOV_ID	int	NO	PRI	NULL
	ROLE	varchar(20)	YES		NULL

24 • DESC ACTOR;

	Field	Type	Null	Key	Default
▶	ACT_ID	int	NO	PRI	NULL
	ACT_NAME	varchar(20)	YES		NULL
	ACT_GENDER	char(1)	YES		NULL

28 • DESC RATING;

	Field	Type	Null	Key	Default
▶	MOV_ID	int	NO	PRI	NULL
	REV_STARS	varchar(25)	YES		NULL

26 • DESC MOVIES;

	Field	Type	Null	Key	Default
▶	MOV_ID	int	NO	PRI	NULL
	MOV_TITLE	varchar(25)	YES		NULL
	MOV_YEAR	int	YES		NULL
	MOV_LANG	varchar(12)	YES		NULL
	DIR_ID	int	YES	MUL	NULL

115 # Query 1

	MOV_TITLE
▶	Psycho

124 • SELECT \* FROM RATING;

	MOV_ID	REV_STARS
▶	1	5
	2	5
	3	4.8
	4	4.7
	5	4.9
	6	4.6
	7	4.3
	8	4.2
•	NULL	NULL

104 • SELECT \* FROM RATING;

	MOV_ID	REV_STARS
▶	1	4.5
	2	5
	3	4.8
	4	4.7
	5	4.9
	6	4.6
•	NULL	NULL



151 # Query 3

Result Grid

	ACT_NAME
▶	Harrison Ford

161 # Query 4

Result Grid

	MOV_TITLE	MAX(REV_STARS)
▶	Avengers: Endgame	5
	Blade Runner 2049	4.2
	Inception	5
	Psycho	4.6
	Pulp Fiction	4.7
	Star Wars	4.3
	Titanic	4.8
	Wonder Woman	4.9

169 # Query 5

Result Grid

	MOV_ID	REV_STARS
▶	1	5
	2	5
	3	4.8
	4	4.7
	5	4.9
	6	4.6
	7	4.3
	8	4.2
*	NULL	NULL

91 • DESC STUDENT;

Result Grid

	Field	Type	Null	Key	Default
▶	USN	varchar(10)	NO	PRI	NULL
	SNAME	varchar(25)	YES		NULL
	ADDRESS	varchar(25)	YES		NULL
	PHONE	bigint	YES		NULL
	GENDER	char(1)	YES		NULL

92 • DESC SEMSEC;

Result Grid

	Field	Type	Null	Key	Default
▶	SSID	varchar(5)	NO	PRI	NULL
	SEM	int	YES		NULL
	SEC	char(1)	YES		NULL

93 • DESC CLASS;

Result Grid

	Field	Type	Null	Key	Default
▶	USN	varchar(10)	NO	PRI	NULL
	SSID	varchar(5)	NO	PRI	NULL

94 • DESC SUBJECT;

Result Grid

	Field	Type	Null	Key	Default
▶	SUBCODE	varchar(8)	NO	PRI	NULL
	TITLE	varchar(20)	YES		NULL
	SEM	int	YES		NULL
	CREDITS	int	YES		NULL

95 • DESC IAMARKS;

Result Grid

	Field	Type	Null	Key	Default
▶	USN	varchar(10)	NO	PRI	NULL
	SUBCODE	varchar(8)	NO	PRI	NULL
	SSID	varchar(5)	NO	PRI	NULL
	TEST1	int	YES		NULL
	TEST2	int	YES		NULL
	TEST3	int	YES		NULL
	FINALIA	int	YES		NULL

97 • SELECT \* FROM STUDENT;

Result Grid

	USN	SNAME	ADDRESS	PHONE	GENDER
▶	1GA22AI101	Alice	123 Main St	9876543210	F
	1GA22AI102	Bob	456 Elm St	9876543211	M
	1GA22AI103	Charlie	789 Oak St	9876543212	M
	1GA22AI104	Diana	321 Pine St	9876543213	F
	1GA22AI105	Eva	654 Maple St	9876543214	F
*	NULL	NULL	NULL	NULL	NULL

98 • SELECT \* FROM SEMSEC;

Result Grid

	SSID	SEM	SEC
▶	SSID1	4	C
	SSID2	4	A
	SSID3	5	B
	SSID4	5	D
	SSID5	8	A
	SSID6	8	B
	SSID7	8	C
*	NULL	NULL	NULL

99 • SELECT \* FROM CLASS;

Result Grid

	USN	SSID
▶	1GA22AI101	SSID1
	1GA22AI102	SSID2
	1GA22AI103	SSID3
	1GA22AI104	SSID4
	1GA22AI105	SSID5
*	NULL	NULL

100 • SELECT \* FROM SUBJECT;

Result Grid

	SUBCODE	TITLE	SEM	CREDITS
▶	CS101	Computer Science	4	3
	CS102	Data Structures	5	3
	CS201	Algorithms	8	3
	MA101	Mathematics	4	4
	MA102	Statistics	5	4
	MA201	Advanced Mathematics	8	4
*	NULL	NULL	NULL	NULL