

SQL Worksheet

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```
1 MAREESWARAN
2 =====
3      DAY-7
4      =====
5
6 1. SELECT
7     FIRST_NAME || ' ' || LAST_NAME "FULL_NAME",
8     SALARY,
9     SALARY*0.12 BONUS
10 FROM HR.EMPLOYEES
```

FULL_NAME	SALARY	BONUS
Steven King	24000	2880
Neena Kochhar	17000	2040
Lex De Haan	17000	2040
Alexander Hunold	9000	1080
Bruce Ernst	6000	720
David Austin	4800	576
Valli Pataballa	4800	576
Diana Lorentz	4200	504
Nancy Greenberg	12008	1440.96
Daniel Faviet	9000	1080
John Chen	8200	984
Ismael Sciarra	7700	924

```

2. SELECT
    FIRST_NAME,
    SALARY,
    HIRE_DATE
FROM HR.EMPLOYEES
WHERE HIRE_DATE BETWEEN '01-JAN-2008' AND '31-DEC-2008'

```

FIRST_NAME	SALARY	HIRE_DATE
Steven	2200	08-MAR-08
Hazel	2200	06-FEB-08
Eleni	10500	29-JAN-08
Mattea	7200	24-JAN-08
David	6800	23-FEB-08
Sundar	6400	24-MAR-08
Amit	6200	21-APR-08
Sundita	6100	21-APR-08
Charles	6200	04-JAN-08
Girard	2800	03-FEB-08
Douglas	2600	13-JAN-08

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```
14 2. SELECT
15     FIRST_NAME,
16     SALARY,
17     HIRE_DATE
18 FROM HR.EMPLOYEES
19 WHERE HIRE_DATE BETWEEN '01-JAN-2008' AND '31- DEC-2008'
20
21 3. SELECT * FROM HR.EMPLOYEES
22 WHERE FIRST_NAME LIKE 'St%n'
```

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER	HIRE_DATE	JOB_ID	SALARY	COMMISSION_PCT	MANAGER_ID	DEPARTMENT_ID
100	Steven	King	SKING	515.123.4567	17-JUN-03	AD_PRES	24000	-	-	90
128	Steven	Markle	SMARKLE	650.124.1434	08-MAR-08	ST_CLERK	2200	-	120	50
138	Stephen	Stiles	SSTILES	650.121.2034	26-OCT-05	ST_CLERK	3200	-	123	50

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```

19 WHERE HIRE_DATE BETWEEN '01-JAN-2008' AND '31- DEC-2008'
20
21 3.SELECT * FROM HR.EMPLOYEES
22 WHERE FIRST_NAME LIKE 'S%n'
23
24 4.SELECT * FROM HR.EMPLOYEES
25 WHERE SALARY BETWEEN 6000 AND 9000
26 AND DEPARTMENT_ID IN (20,40,60,80,100)
27 AND HIRE_DATE >= '01-JAN-2004'

```

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER	HIRE_DATE	JOB_ID	SALARY	COMMISSION_PCT	MANAGER_ID	DEPARTMENT_ID
103	Alexander	Hunold	AHUNOLD	590.423.4567	03-JAN-06	IT_PROG	9000	-	102	60
104	Bruce	Ernst	BERNST	590.423.4568	21-MAY-07	IT_PROG	6000	-	103	60
110	John	Chen	JCHEN	515.124.4269	28-SEP-05	FI_ACCOUNT	8200	-	108	100
111	Ismael	Sciarra	ISCIARRA	515.124.4369	30-SEP-05	FI_ACCOUNT	7700	-	108	100
112	Jose Manuel	Urman	JMURMAN	515.124.4469	07-MAR-06	FI_ACCOUNT	7800	-	108	100
113	Luis	Popp	LPOPP	515.124.4567	07-DEC-07	FI_ACCOUNT	6900	-	108	100
152	Peter	Hall	PHALL	011.44.1344.478968	20-AUG-05	SA_REP	9000	.25	145	80
153	Christopher	Olsen	COLSEN	011.44.1344.498718	30-MAR-06	SA_REP	8000	.2	145	80
154	Nanette	Cambrault	NCAMBRAU	011.44.1344.987668	09-DEC-06	SA_REP	7500	.2	145	80
155	Oliver	Tuvault	OTUVAULT	011.44.1344.486508	23-NOV-07	SA_REP	7000	.15	145	80
158	Allan	McEwen	AMCEWEN	011.44.1345.829268	01-AUG-04	SA_REP	9000	.35	146	80
159	Lindsey	Smith	LSMITH	011.44.1345.729268	10-MAR-05	SA_REP	8000	.3	146	80
160	Louise	Doran	LDORAN	011.44.1345.629268	15-DEC-05	SA_REP	7500	.3	146	80

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SQL Worksheet

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25 WHERE SALARY BETWEEN 6000 AND 9000
26 AND DEPARTMENT_ID IN (20,40,60,80,100)
27 AND HIRE_DATE >= '01-JAN-2004'
28
29 5. CREATE TABLE EMP (EMP_NO NUMBER,EMP__NAME VARCHAR2(30))
30 ALTER TABLE EMP
31 RENAME COLUMN EMP_NO TO EMP_ID
32 RENAME EMP TO EMPLOYEES
33 DESC EMPLOYEES

TABLE EMPLOYEES

Column	Null?	Type
EMP_ID	-	NUMBER
EMP__NAME	-	VARCHAR2(30)

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```
35 6. CREATE TABLE EMPLOYEE
36 (
37 EMP_NAME VARCHAR2(30),
38 EMP_ID NUMBER,
39 SALARY NUMBER(10),
40 JOB_ID VARCHAR(10)
41 );
42 INSERT INTO EMPLOYEE VALUES ('SELVA',93828,100000,'IT_PROG');
43 INSERT INTO EMPLOYEE VALUES ('BALA',6378,90000,'MECH');
44 INSERT INTO EMPLOYEE VALUES ('ASHOK',67892,70000,'IT_PROG');
45 UPDATE EMPLOYEE
46 SET SALARY = SALARY + (SALARY*0.15) + 1000;
47 SELECT * FROM EMPLOYEE
48 WHERE JOB_ID='IT_PROG';
49
```

EMP_NAME	EMP_ID	SALARY	JOB_ID
SELVA	93828	116000	IT_PROG
ASHOK	67892	81500	IT_PROG

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```
50 7. SELECT
51     E.FIRST_NAME "EMPLOYEE FIRST NAME",
52     E.SALARY ,
53     D.DEPARTMENT_NAME
54 FROM HR.EMPLOYEES E RIGHT JOIN HR.DEPARTMENTS D
55 ON E.DEPARTMENT_ID = D.DEPARTMENT_ID
56 WHERE E.SALARY > 7500
57
```

EMPLOYEE FIRST NAME	SALARY	DEPARTMENT_NAME
Michael	13000	Marketing
Den	11000	Purchasing
Payam	7900	Shipping
Adam	8200	Shipping
Matthew	8000	Shipping
Alexander	9000	IT
Hermann	10000	Public Relations
Karen	13500	Sales
Alberto	12000	Sales
Gerald	11000	Sales
Eleni	10500	Sales
Peter	10000	Sales
David	9500	Sales

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```
58 8.SELECT
59     E.FIRST_NAME "EMPLOYEE FIRST NAME",
60     E.SALARY ,
61     E.HIRE_DATE,
62     D.DEPARTMENT_NAME
63 FROM HR.EMPLOYEES E RIGHT JOIN HR.DEPARTMENTS D
64 ON E.DEPARTMENT_ID = D.DEPARTMENT_ID
65
```

EMPLOYEE FIRST NAME	SALARY	HIRE_DATE	DEPARTMENT_NAME
Jennifer	4400	17-SEP-03	Administration
Michael	13000	17-FEB-04	Marketing
Pat	6000	17-AUG-05	Marketing
Den	11000	07-DEC-02	Purchasing
Alexander	3100	18-MAY-03	Purchasing
Shelli	2900	24-DEC-05	Purchasing
Sigal	2800	24-JUL-05	Purchasing
Guy	2600	15-NOV-06	Purchasing
Karen	2500	10-AUG-07	Purchasing
Susan	6500	07-JUN-02	Human Resources
Matthew	8000	18-JUL-04	Shipping
Adam	8200	10-APR-05	Shipping
Payam	7900	01-MAY-03	Shipping

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```
9. SELECT
    E.FIRST_NAME || E.LAST_NAME "EMPLOYEE FULL NAME",
    E1.FIRST_NAME || E1.LAST_NAME "MANGER FULL NAME",
    E.SALARY,
    D.DEPARTMENT_NAME,
    J.JOB_TITLE
FROM
    HR.EMPLOYEES E,
    HR.EMPLOYEES E1,
    HR.DEPARTMENTS D,
    HR.JOBS J
WHERE E.DEPARTMENT_ID = D.DEPARTMENT_ID
AND E.JOB_ID = J.JOB_ID
AND E.MANAGER_ID=E1.EMPLOYEE_ID
AND E.SALARY BETWEEN 5000 AND 10000
```

EMPLOYEE FULL NAME	MANGER FULL NAME	SALARY	DEPARTMENT_NAME	JOB_TITLE
PayamKaufling	StevenKing	7900	Shipping	Stock Manager
MatthewWeiss	StevenKing	8000	Shipping	Stock Manager
AdamFripp	StevenKing	8200	Shipping	Stock Manager
ShantaVollman	StevenKing	6500	Shipping	Stock Manager
KevinMourgos	StevenKing	5800	Shipping	Stock Manager
SusanMavris	NeenaKochhar	6500	Human Resources	Human Resources Representative
HermannBaer	NeenaKochhar	10000	Public Relations	Public Relations Representative
AlexanderHunold	LexDe Haan	9000	IT	Programmer
BruceErnst	AlexanderHunold	6000	IT	Programmer

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```
71 J.JOB_TITLE
72 FROM
73 HR.EMPLOYEES E,
74 HR.EMPLOYEES E1,
75 HR.DEPARTMENTS D,
76 HR.JOBS J
77 WHERE E.DEPARTMENT_ID = D.DEPARTMENT_ID
78 AND E.JOB_ID = J.JOB_ID
79 AND E.MANAGER_ID=E1.EMPLOYEE_ID
80 AND E.SALARY BETWEEN 5000 AND 10000
81
82
83 10.SELECT E.*
84 FROM HR.EMPLOYEES E ,HR.JOBS J
85 WHERE E.JOB_ID=J.JOB_ID
86 AND J.JOB_TITLE= 'Programmer'
```

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER	HIRE_DATE	JOB_ID	SALARY	COMMISSION_PCT	MANAGER_ID	DEPARTMENT_ID
103	Alexander	Hunold	AHUNOLD	590.423.4567	03-JAN-06	IT_PROG	9000	-	102	60
104	Bruce	Ernst	BERNST	590.423.4568	21-MAY-07	IT_PROG	6000	-	103	60
105	David	Austin	DAUSTIN	590.423.4569	25-JUN-05	IT_PROG	4800	-	103	60
106	Valli	Pataballa	VPATABAL	590.423.4560	05-FEB-06	IT_PROG	4800	-	103	60
107	Diana	Lorentz	DLORENTZ	590.423.5567	07-FEB-07	IT_PROG	4200	-	103	60

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