**Table Content**

SQL> SET LINESIZE 300

SQL> SET PAGESIZE 200

SQL> COLUMN Code FORMAT A10

SQL> COLUMN Description FORMAT A35

SQL> COLUMN Name FORMAT A22

SQL> COLUMN Comments FORMAT A60

SQL> COLUMN Street FORMAT A18

SQL> COLUMN City FORMAT A13

SQL> COLUMN State FORMAT A5

SQL> COLUMN Industry FORMAT A16

SQL> COLUMN Web\_Address FORMAT A27

SQL> COLUMN Phone FORMAT A13

SQL> COLUMN Contact\_Name FORMAT A14

SQL> COLUMN Client\_ID FORMAT A9

SQL> COLUMN Emp\_Num FORMAT A10

SQL> COLUMN Emp\_Last FORMAT A15

SQL> COLUMN Emp\_First FORMAT A15

SQL> COLUMN Super\_ID FORMAT A10

SQL> COLUMN Location FORMAT A5

SQL> COLUMN Total\_Cost FORMAT '$999,999.99'

SQL> select \* from client;

CLIENT\_ID NAME STREET CITY STATE ZIP\_CODE INDUSTRY WEB\_ADDRESS PHONE CONTACT\_NAME

--------- ---------------------- ------------------ ------------- ----- ---------- ---------------- --------------------------- ------------- --------------

0001 Giant Goods Forbes Avenue Pittsburgh PA 15213 Department Store www.giantgoods.com 4123912584 Frank Jin

0002 Saint Food Fifth Avenue Pittsburgh PA 15211 Food www.saintfood.com 4114821002 Ben Lambert

0003 Fishermen's Friend Amsterdam Ave New York NY 10023 Food www.Fishermensfriends.com 4002182012 Tommy Fin

0004 Ford York Avenue Dearborn MI 48126 Cars corporate.ford.com 8004271231 Calvin Lang

0005 Macy's Broadway Avenue New York NY 10012 Department Store www.macys.com 4001921002 Max Chang

0006 Chalres Co Washinton Avenue Los Angeles CA 90052 Manufacturing www.caca1002.com 1024810212 Charles Lin

0007 Macy's Broadway Avenue New York NY 10012 Manufacturing www.macys.com 4001921002 Max Chang

0008 Union Food Liberty Avenue Los Angeles CA 90027 Food www.unionfood.com 9012047121 Ashley Willams

0009 Terry and Jerry Johns Avenue Seattle WA 98102 Manufacturing www.TerryJerry.com 4210248123 Terry Smith

0010 Tesla Perry Avenue Wexford PA 11403 Cars www.Tesla.com 8783326091 Tom Brownie

10 rows selected.

SQL> select \* from training;

TRAIN\_NUM CODE EMP\_NUM DATE\_ACQUIRE NAME COMMENTS

-------------- ---------- ---------- ------------ ---------------------- ------------------------------------------------------------

1 120 203 24-DEC-07 Marketing Very good

2 113 317 01-DEC-16 Speaking Excellent

3 114 171 04-MAY-13 OOP in Java Heavy workload, but worth it!

4 111 314 11-JUN-15 Finance Training Interseting experience

5 116 137 02-MAY-09 Data Focus Python Very useful course

6 118 153 12-DEC-10 Data Mining Workshop Great opportunity to build connection

7 112 171 09-JAN-14 Database Management Amazing

8 113 403 05-DEC-06 Profession Speaking Very Useful

9 119 137 06-AUG-12 Data Mining Workshop Very interesting

10 118 162 03-DEC-12 Text Analytics Very useful

11 112 168 09-JAN-14 Database Management Excellect course!

12 111 313 11-JUN-15 Finance Training Vert useful

13 114 168 07-DEC-12 OOP in Java Excellent and useful!

14 116 128 12-DEC-10 Data Focus Python Very good

15 115 100 05-JUL-13 Business Negotiation Useful and challenging

16 112 153 07-AUG-13 Advanced SQL Gained lots of hands-on experience by doing projects

17 120 225 24-DEC-07 Marketing Interesting!

18 119 128 20-DEC-13 Hadoop and MapReduce Very useful

19 114 162 15-MAY-14 OOP in Java A little bit hard, especially for the lab on Thursday.

20 119 153 20-DEC-13 Hadoop and MapReduce Good course, I gained a lot from that!

21 119 168 12-JUL-16 JAVA Workshop Useful

22 119 162 28-APR-14 Data Visuallization Very helpful

23 113 319 23-SEP-16 Speaking Training Interesting experience

24 117 320 14-MAY-17 Web Develop Useful Course!

25 113 319 29-MAR-17 Communication Very helful

26 111 321 08-NOV-17 Finance Workshop Excellent!

26 rows selected.

SQL> select \* from department;

DEPT\_CODE NAME LOCAT PHONE MANAGER\_ID

-------------- ---------------------- ----- ------------- --------------

1001 Administration F17 121-5689 400

1002 Sales F16 121-5656 401

1003 IT F15 121-5666 153

1004 Finance F16 121-5670 172

1005 Human Resource F16 121-5678 315

SQL> select \* from employee;

EMP\_NUM EMP\_LAST EMP\_FIRST DOB HIRE\_DATE SUPER\_ID DEPT\_CODE

---------- --------------- --------------- ------------ ------------ ---------- --------------

400 Jones Amelia 17-MAY-73 01-OCT-01 1001

403 Hsu Michelle 20-JUL-85 10-SEP-03 400 1001

404 Chan William 03-FEB-86 12-DEC-04 400 1001

401 Harris Scott 28-MAR-71 02-DEC-02 400 1002

203 Getz Bill 08-OCT-74 05-APR-04 401 1002

214 Ramos Ana 09-MAR-74 12-APR-04 203 1002

225 Evans Stan 14-JUL-75 01-JUN-04 401 1002

100 Krall Mary 11-FEB-87 18-MAY-09 203 1002

153 Roditi Adam 05-MAR-87 19-MAR-08 400 1003

137 Hall Jim 06-AUG-79 10-NOV-08 153 1003

128 Boon Pat 23-NOV-83 20-OCT-08 153 1003

162 Nelson Ray 24-SEP-90 20-OCT-10 128 1003

168 Corman Chris 11-AUG-89 20-OCT-10 137 1003

171 Belli Willam 28-MAY-91 01-NOV-12 168 1003

320 Duncan Tina 29-JAN-95 11-JUN-16 168 1003

172 Swift Lisa 17-FEB-88 01-NOV-12 400 1004

173 Milton Kelly 16-DEC-87 07-NOV-12 172 1004

312 Carter Henry 22-APR-94 09-JAN-13 173 1004

313 Bertram Jill 06-JUL-91 09-JAN-13 312 1004

314 Gates Bob 26-DEC-92 04-JUN-14 313 1004

321 John Mayer 29-JAN-94 03-SEP-17 313 1004

315 Wheeler Howard 11-JUN-92 04-JUN-13 400 1005

316 Whitestar Mary 24-MAR-94 25-FEB-14 315 1005

317 Newton Steve 29-JAN-96 03-JUN-15 316 1005

318 Johnson Jack 29-JAN-96 03-JUN-15 315 1005

319 Lin Amy 18-JAN-93 05-FEB-16 316 1005

26 rows selected.

SQL> select \* from project;

PROJ\_NUMBER NAME START\_DATE TOTAL\_COST DEPT\_CODE CLIENT\_ID

-------------- ---------------------- ------------ ------------ -------------- ---------

0001 Tech Project 02-DEC-10 $102,000.00 1003 0010

0002 Food Purchase 22-DEC-15 $8,000.00 1004 0008

0003 Car Producing Project 02-DEC-15 $580,000.00 1002 0004

0004 Shoes Purchase 12-NOV-15 $52,000.00 1002 0001

0005 HR Project 12-FEB-16 $8,000.00 1005 0006

0006 Sales Project 13-MAY-16 $5,000.00 1002 0007

0007 System Project 28-JUL-16 $6,500.00 1003 0010

0008 Consulting Project 11-AUG-16 $9,000.00 1004 0002

0009 Test Project 10-AUG-17 $2,000.00 1003 0002

0010 Resturcture Project 01-SEP-17 1004 0005

0011 Marketing Project 02-OCT-17 1002 0003

0012 Funding Project 10-AUG-17 $100,000.00 1002 0003

12 rows selected.

SQL> select \* from skill;

CODE DESCRIPTION

---------- -----------------------------------

111 Financial Statements Analysis

112 SQL Application

113 Effective Communication

114 Java Application

115 Negotiation Strategy

116 Python Application

117 Web Application

118 Data Mining Techniques

119 Big Data Application

120 Marketing Strategy

10 rows selected.

SQL> select \* from assignment;

ASSIGN\_NUM PROJ\_NUMBER EMP\_NUM DATE\_ASSIGNE DATE\_ENDED HOURS\_USED

-------------- -------------- ---------- ------------ ------------ ----------

0001 0004 315 02-DEC-13 20-DEC-13 100

0002 0004 315 01-FEB-14 20-FEB-14 100

0003 0002 214 01-JAN-15 30-JAN-15 150

0004 0005 317 15-FEB-16 28-FEB-16 100

0005 0005 317 16-MAR-16 29-MAR-16 20

0006 0005 318 17-MAR-16 27-MAR-16 90

0007 0006 214 01-MAY-16 30-MAY-16 150

0008 0006 100 14-MAY-16 29-MAY-16 100

0009 0006 173 05-MAY-16 15-MAY-16 35

0010 0007 171 02-JUL-16 26-JUL-16 200

0011 0007 168 29-JUL-16 31-JUL-16 20

0012 0007 168 18-AUG-16 27-AUG-16 80

0013 0007 100 08-AUG-16 27-AUG-16 45

0014 0008 173 11-AUG-16 29-AUG-16 150

0015 0008 312 03-AUG-16 22-AUG-16 150

0016 0008 312 12-NOV-16 21-NOV-16 100

0017 0001 400 01-NOV-16 20-NOV-16 100

0018 0001 403 01-DEC-16 20-DEC-16 120

0019 0001 320 02-DEC-16 20-DEC-16 180

0020 0003 312 01-MAY-17 20-MAY-17 250

0021 0012 171 01-AUG-17 31-AUG-17 230

0022 0009 171 10-AUG-17 31-AUG-17 70

0023 0009 320 10-AUG-17 31-AUG-17 65

0024 0012 168 01-SEP-17 10-SEP-17 50

0025 0010 314 02-SEP-17 20-SEP-17 80

0026 0010 313 05-SEP-17 25-SEP-17 145

0027 0010 314 03-OCT-17 29-OCT-17 200

0028 0010 313 11-OCT-17 30-OCT-17 250

0029 0010 313 13-NOV-17

0030 0011 203 03-OCT-17 30-OCT-17 280

0031 0011 225 06-NOV-17

0032 0011 203 06-NOV-17

32 rows selected.

SQL> SPOOL OFF