



Time: 80 Min

Aggregate Functions and **Group by**

1. Write a query to list the number of jobs available in the employees table.

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 1987-06-17 AD_PRES 24000.00 0.00 0 90
101 Neena Kochhar NKOCHHAR 515.123.4568 1987-06-18 AD_VP 17000.00 0.00 100 90
102 Lex De Haan LDEHAAN 515.123.4569 1987-06-19 AD_VP 17000.00 0.00 100 90
103 Alexander Hunold AHUNOLD 590.423.4567 1987-06-20 IT_PROG 9000.00 0.00 102 60
104 Bruce Ernst BERNST 590.423.4568 1987-06-21 IT_PROG 6000.00 0.00 103 60
105 David Austin DAUSTIN 590.423.4569 1987-06-22 IT_PROG 4800.00 0.00 103 60
106 Valli Pataballa VPATABAL 590.423.4560 1987-06-23 IT_PROG 4800.00 0.00 103 60
107 Diana Lorentz DLORENTZ 590.423.5567 1987-06-24 IT_PROG 4200.00 0.00 103 60
108 Nancy Greenberg NGREENBE 515.124.4569 1987-06-25 FI_MGR 12000.00 0.00 101 100
109 Daniel Faviet DFAVIET 515.124.4169 1987-06-26 FI_ACCOUNT 9000.00 0.00 108 100
110 John Chen JCHEN 515.124.4269 1987-06-27 FI_ACCOUNT 8200.00 0.00 108 100
111 Ismael Sciarra ISCIARRA 515.124.4369 1987-06-28 FI_ACCOUNT 7700.00 0.00 108 100
112 Jose Manuel Urman JMURMAN 515.124.4469 1987-06-29 FI_ACCOUNT 7800.00 0.00 108 100
113 Luis Popp LPOPP 515.124.4567 1987-06-30 FI_ACCOUNT 6900.00 0.00 108 100
114 Den Raphaely DRAPHEAL 515.127.4561 1987-07-01 PU_MAN 11000.00 0.00 100 30
115 Alexander Khoo AKHOO 515.127.4562 1987-07-02 PU_CLERK 3100.00 0.00 114 30
116 Shelli Baida SBAIDA 515.127.4563 1987-07-03 PU_CLERK 2900.00 0.00 114 30
117 Sigal Tobias STOBIAS 515.127.4564 1987-07-04 PU_CLERK 2800.00 0.00 114 30



118 Guy Himuro GHIMURO 515.127.4565 1987-07-05 PU_CLERK 2600.00 0.00 114 30
119 Karen Colmenares KCOLMENA 515.127.4566 1987-07-06 PU_CLERK 2500.00 0.00 114 30
120 Matthew Weiss MWEISS 650.123.1234 1987-07-07 ST_MAN 8000.00 0.00 100 50
121 Adam Fripp AFRIPP 650.123.2234 1987-07-08 ST_MAN 8200.00 0.00 100 50
122 Payam Kaufling PKAUFLIN 650.123.3234 1987-07-09 ST_MAN 7900.00 0.00 100 50
123 Shanta Vollman SVOLLMAN 650.123.4234 1987-07-10 ST_MAN 6500.00 0.00 100 50
124 Kevin Mourgos KMOURGOS 650.123.5234 1987-07-11 ST_MAN 5800.00 0.00 100 50
125 Julia Nayer JNAYER 650.124.1214 1987-07-12 ST_CLERK 3200.00 0.00 120 50
126 Irene Mikkilineni IMIKKILI 650.124.1224 1987-07-13 ST_CLERK 2700.00 0.00 120 50
127 James Landry JLANDRY 650.124.1334 1987-07-14 ST_CLERK 2400.00 0.00 120 50
128 Steven Markle SMARKLE 650.124.1434 1987-07-15 ST_CLERK 2200.00 0.00 120 50
129 Laura Bissot LBISSOT 650.124.5234 1987-07-16 ST_CLERK 3300.00 0.00 121 50
130 Mozhe Atkinson MATKINSO 650.124.6234 1987-07-17 ST_CLERK 2800.00 0.00 121 50
131 James Marlow JAMRLOW 650.124.7234 1987-07-18 ST_CLERK 2500.00 0.00 121 50
132 TJ Olson TJOLSON 650.124.8234 1987-07-19 ST_CLERK 2100.00 0.00 121 50
133 Jason Mallin JMALLIN 650.127.1934 1987-07-20 ST_CLERK 3300.00 0.00 122 50
134 Michael Rogers MROGERS 650.127.1834 1987-07-21 ST_CLERK 2900.00 0.00 122 50
135 Ki Gee KGEE 650.127.1734 1987-07-22 ST_CLERK 2400.00 0.00 122 50
136 Hazel Philtanker HPHILTAN 650.127.1634 1987-07-23 ST_CLERK 2200.00 0.00 122 50
137 Renske Ladwig RLADWIG 650.121.1234 1987-07-24 ST_CLERK 3600.00 0.00 123 50
138 Stephen Stiles SSTILES 650.121.2034 1987-07-25 ST_CLERK 3200.00 0.00 123 50
139 John Seo JSEO 650.121.2019 1987-07-26 ST_CLERK 2700.00 0.00 123 50
140 Joshua Patel JPATEL 650.121.1834 1987-07-27 ST_CLERK 2500.00 0.00 123 50



141 Trenna Rajs TRAJS 650.121.8009 1987-07-28 ST_CLERK 3500.00 0.00 124 50
142 Curtis Davies CDAVIES 650.121.2994 1987-07-29 ST_CLERK 3100.00 0.00 124 50
143 Randall Matos RMATOS 650.121.2874 1987-07-30 ST_CLERK 2600.00 0.00 124 50
144 Peter Vargas PVARGAS 650.121.2004 1987-07-31 ST_CLERK 2500.00 0.00 124 50
145 John Russell JRUSSEL 011.44.1344.429268 1987-08-01 SA_MAN
14000.00 0.40 100 80
13500.00 0.30 100 80
12000.00 0.30 100 80
11000.00 0.30 100 80
10500.00 0.20 100 80
10000.00 0.30 145 80
9500.00 0.25 145 80 152 Peter Hall PHALL 011.44.1344.478968 1987-08-08 SA_REP
9000.00 0.25 145 80
153 Christopher Olsen COLSEN 011.44.1344.498718 1987-08-09 SA_REP 8000.00 0.20 145 80
154 Nanette Cambrault NCAMBRAU 011.44.1344.987668 1987-08-10 SA_REP 7500.00 0.20 145 80
155 Oliver Tuvault OTUVAULT 011.44.1344.486508 1987-08-11 SA_REP 7000.00 0.15 145 80
156 Janette King JKING 011.44.1345.429268 1987-08-12 SA_REP 10000.00 0.35 146 80
157 Patrick Sully PSULLY 011.44.1345.929268 1987-08-13 SA_REP 9500.00 0.35 146 80
158 Allan McEwen AMCEWEN 011.44.1345.829268 1987-08-14 SA_REP 9000.00 0.35 146 80
159 Lindsey Smith LSMITH 011.44.1345.729268 1987-08-15 SA_REP 8000.00 0.30 146 80
160 Louise Doran LDORAN 011.44.1345.629268 1987-08-16 SA_REP 7500.00 0.30 146 80
161 Sarath Sewall SSEWALL 011.44.1345.529268 1987-08-17 SA_REP 7000.00 0.25 146 80
162 Clara Vishney CVISHNEY 011.44.1346.129268 1987-08-18 SA_REP 10500.00 0.25 147 80
163 Danielle Greene DGREENE 011.44.1346.229268 1987-08-19 SA_REP 9500.00 0.15 147 80



164 Mattea Marvins MMARVINS 011.44.1346.329268 1987-08-20 SA_REP 7200.00 0.10 147 80
165 David Lee DLEE 011.44.1346.529268 1987-08-21 SA_REP
6800.00 0.10 147 80
166 Sundar Ande SANDE 011.44.1346.629268 1987-08-22 SA_REP
6400.00 0.10 147 80
167 Amit Banda ABANDA 011.44.1346.729268 1987-08-23 SA_REP 6200.00 0.10 147 80
168 Lisa Ozer LOZER 011.44.1343.929268 1987-08-24 SA_REP
11500.00 0.25 148 80
169 Harrison Bloom HBLOOM 011.44.1343.829268 1987-08-25 SA_REP
10000.00 0.20 148 80
170 Tayler Fox TFOX 011.44.1343.729268 1987-08-26 SA_REP
9600.00 0.20 148 80
171 William Smith WSMITH 011.44.1343.629268 1987-08-27 SA_REP
7400.00 0.15 148 80
1/2 Elizabetii
173 Sundita Kumar SKUMAR 011.44.1343.329268 1987-08-29 SA_REP
6100.00 0.10 148 80
174 Ellen Abel EABEL 011.44.1644.429267 1987-08-30 SA_REP
11000.00 0.30 149 80
175 Alyssa Hutton AHUTTON 011.44.1644.429266 1987-08-31 SA_REP 8800.00 0.25 149 80
176 Jonathon Taylor JTAYLOR 011.44.1644.429265 1987-09-01 SA_REP 8600.00 0.20 149 80
177 Jack Livingston JLIVINGS 011.44.1644.429264 1987-09-02 SA_REP
8400.00 0.20 149 80
178 Kimberely Grant KGRANT 011.44.1644.429263 1987-09-03 SA_REP 7000.00 0.15 149 0
179 Charles Johnson CJOHNSON 011.44.1644.429262 1987-09-04 SA_REP 6200.00 0.10 149 80
180 Winston Taylor WTAYLOR 650.507.9876 1987-09-05 SH_CLERK 3200.00 0.00 120 50
181 Jean Fleaur JFLEAUR 650.507.9877 1987-09-06 SH_CLERK
3100.00 0.00 120 50
182 Martha Sullivan MSULLIVA 650.507.9878 1987-09-07 SH_CLERK 2500.00 0.00 120 50
183 Girard Geoni GGEONI 650.507.9879 1987-09-08 SH_CLERK 2800.00 0.00 120 50
184 Nandita Sarchand NSARCHAN 650.509.1876 1987-09-09 SH_CLERK 4200.00 0.00 121 50
185 Alexis Bull ABULL 650.509.2876 1987-09-10 SH_CLERK 4100.00 0.00 121 50
186 Julia Dellinger JDELLING 650.509.3876 1987-09-11 SH_CLERK 3400.00 0.00 121 50
300.00 0.00 121 30



187 Anthony Cabrio ACABRIO 650.509.4876 1987-09-12 SH_CLERK 3000.00 0.00 121 50 188 Kelly Chung KCHUNG 650.505.1876 1987-09-13 SH_CLERK 3800.00 0.00 122 50 189 Jennifer Dilly JDILLY 650.505.2876 1987-09-14 SH_CLERK 3600.00 0.00 122 50 190 Timothy Gates TGATES 650.505.3876 1987-09-15 SH_CLERK 2900.00 0.00 122 50 191 Randall Perkins RPERKINS 650.505.4876 1987-09-16 SH_CLERK 2500.00 0.00 122 50 192 Sarah Bell SBELL 650.501.1876 1987-09-17 SH_CLERK 4000.00 0.00 123 50 193 Britney Everett BEVERETT 650.501.2876 1987-09-18 SH_CLERK 3900.00 0.00 123 50 194 Samuel McCain 3200.00 0.00 123 50 195 Vance Jones VJONES 650.501.4876 1987-09-20 SH_CLERK 2800.00 0.00 124 50 197 Kevin Feeney KFEENEY 650.507.9811 1987-09-21 SH_CLERK 3100.00 0.00 124 50 198 Donald OConnell DOCONNEL 650.507.9833 1987-09-22 SH_CLERK 2600.00 0.00 124 50 199 Douglas Grant DGRANT 650.507.9844 1987-09-24 SH_CLERK 2600.00 0.00 124 50 199 Douglas Grant DGRANT 650.507.9844 1987-09-25 AD_ASST 4400.00 0.00 101 10 10 10 10 10 10 10 10
188 Kelly
189 Jennifer Dilly JDILLY 650.505.2876 1987-09-14 SH_CLERK 3600.00 0.00 122 50 190 Timothy Gates TGATES 650.505.3876 1987-09-15 SH_CLERK 2900.00 0.00 122 50 191 Randall Perkins RPERKINS 650.505.4876 1987-09-16 SH_CLERK 2500.00 0.00 122 50 192 Sarah Bell SBELL 650.501.1876 1987-09-17 SH_CLERK 4000.00 0.00 123 50 193 Britney Everett BEVERETT 650.501.2876 1987-09-18 SH_CLERK 3900.00 0.00 123 50 194 Samuel McCain SMCCAIN 650.501.3876 1987-09-19 SH_CLERK 3200.00 0.00 123 50 195 Vance Jones VJONES 650.501.4876 1987-09-20 SH_CLERK 2800.00 0.00 124 50 197 Kevin Feeney KFEENEY 650.507.9811 1987-09-22 SH_CLERK 3100.00 0.00 124 50 198 Donald OConnell DOCONNEL 650.507.9822 1987-09-23 SH_CLERK 2600.00 0.00 124 50 199 Douglas Grant DGRANT 650.507.9844 1987-09-24 SH_CLERK 2600.00 0.00 124 50 199 Douglas Grant DGRANT 650.507.9844 1987-09-25 AD_ASST 4400.00 0.00 101 10 10 10 10
190 Timothy Gates TGATES 650.505.3876 1987-09-15 SH_CLERK 2900.00 0.00 122 50 191 Randall Perkins RPERKINS 650.505.4876 1987-09-16 SH_CLERK 2500.00 0.00 122 50 192 Sarah Bell SBELL 650.501.1876 1987-09-17 SH_CLERK 4000.00 0.00 123 50 193 Britney Everett BEVERETT 650.501.2876 1987-09-18 SH_CLERK 3900.00 0.00 123 50 194 Samuel McCain SMCCAIN 650.501.3876 1987-09-19 SH_CLERK 3200.00 0.00 123 50 195 Vance Jones VJONES 650.501.4876 1987-09-20 SH_CLERK 2800.00 0.00 124 50 197 Kevin Feeney KFEENEY 650.507.9811 1987-09-22 SH_CLERK 3100.00 0.00 124 50 198 Donald OConnell DOCONNEL 650.507.9833 1987-09-23 SH_CLERK 2600.00 0.00 124 50 199 Douglas Grant DGRANT 650.507.9844 1987-09-24 SH_CLERK 2600.00 0.00 124 50 199 Douglas Grant DGRANT 650.507.9844 1987-09-25 AD_ASST 4400.00 0.00 101 10 10 10 20 102 Pat Fay PFAY 603.123.6666 1987-09-27 MK_REP 6000.00 0.00 201 20 202 Pat Fay PFAY 603.123.6666 1987-09-27 MK_REP 6000.00 0.00 201 201 20
191 Randall Perkins RPERKINS 650.505.4876 1987-09-16 SH_CLERK 2500.00 0.00 122 50 192 Sarah Bell SBELL 650.501.1876 1987-09-17 SH_CLERK 4000.00 0.00 123 50 1987-09-18 SH_CLERK 3900.00 0.00 123 50 1987-09-18 SH_CLERK 3900.00 0.00 123 50 1987-09-18 SH_CLERK 3200.00 0.00 123 50 195 Vance Jones VJONES 650.501.4876 1987-09-19 SH_CLERK 2800.00 0.00 123 50 196 Alana Walsh AWALSH 650.507.9811 1987-09-20 SH_CLERK 3100.00 0.00 124 50 197 Kevin Feeney KFEENEY 650.507.9822 1987-09-22 SH_CLERK 3000.00 0.00 124 50 198 Donald Oconnell DOCONNEL 650.507.9833 1987-09-23 SH_CLERK 2600.00 0.00 124 50 199 Douglas Grant DGRANT 650.507.9844 1987-09-24 SH_CLERK 2600.00 0.00 124 50 199 Douglas Grant DGRANT 650.507.9844 1987-09-25 AD_ASST 4400.00 0.00 101 10 10 10 10
191 Randall Perkins RPERKINS 650.505.4876 1987-09-16 SH_CLERK 2500.00 0.00 122 50 192 Sarah Bell SBELL 650.501.1876 1987-09-17 SH_CLERK 4000.00 0.00 123 50 1987-09-18 SH_CLERK 3900.00 0.00 123 50 1987-09-18 SH_CLERK 3900.00 0.00 123 50 1987-09-18 SH_CLERK 3200.00 0.00 123 50 195 Vance Jones VJONES 650.501.4876 1987-09-19 SH_CLERK 2800.00 0.00 123 50 196 Alana Walsh AWALSH 650.507.9811 1987-09-20 SH_CLERK 3100.00 0.00 124 50 197 Kevin Feeney KFEENEY 650.507.9822 1987-09-22 SH_CLERK 3000.00 0.00 124 50 198 Donald Oconnell DOCONNEL 650.507.9833 1987-09-23 SH_CLERK 2600.00 0.00 124 50 199 Douglas Grant DGRANT 650.507.9844 1987-09-24 SH_CLERK 2600.00 0.00 124 50 199 Douglas Grant DGRANT 650.507.9844 1987-09-25 AD_ASST 4400.00 0.00 101 10 10 10 10
192 Sarah Bell SBELL 650.501.1876 1987-09-17 SH_CLERK 4000.00 0.00 123 50 1987-09-18 SH_CLERK 3900.00 0.00 123 50 1987-09-18 SH_CLERK 3900.00 0.00 123 50 1987-09-18 SH_CLERK 3200.00 0.00 123 50 1987-09-19 SH_CLERK 3200.00 0.00 123 50 1987-09-19 SH_CLERK 3200.00 0.00 123 50 1987-09-20 SH_CLERK 3200.00 0.00 123 50 1987-09-20 SH_CLERK 3200.00 0.00 124 50 1987-09-21 SH_CLERK 3100.00 0.00 124 50 1987-09-22 SH_CLERK 3100.00 0.00 124 50 1987-09-22 SH_CLERK 3200.00 0.00 124 50 1987-09-23 SH_CLERK 3200.00 0.00 124 50 1988 Donald OConnell DOCONNEL 650.507.9833 1987-09-23 SH_CLERK 3200.00 0.00 124 50 199 Douglas Grant DGRANT 650.507.9844 1987-09-24 SH_CLERK 3200.00 0.00 124 50 199 Douglas Grant DGRANT 650.507.9844 1987-09-25 AD_ASST 3200.00 0.00 101 10 10 10 10
193 Britney Everett BEVERETT 650.501.2876 1987-09-18 SH_CLERK 3900.00 0.00 123 50 1987-09-18 SH_CLERK 3200.00 0.00 123 50 1987-09-19 SH_CLERK 3200.00 0.00 123 50 1987-09-20 SH_CLERK 3200.00 0.00 123 50 1987-09-20 SH_CLERK 3200.00 0.00 123 50 195 Vance Jones VJONES 650.501.4876 1987-09-20 SH_CLERK 3200.00 0.00 123 50 196 Alana Walsh AWALSH 650.507.9811 1987-09-21 SH_CLERK 3100.00 0.00 124 50 197 Kevin Feeney KFEENEY 650.507.9822 1987-09-22 SH_CLERK 3000.00 0.00 124 50 198 Donald OConnell DOCONNEL 650.507.9833 1987-09-23 SH_CLERK 2600.00 0.00 124 50 199 Douglas Grant DGRANT 650.507.9844 1987-09-24 SH_CLERK 2600.00 0.00 124 50 190 JWHALEN 515.123.4444 1987-09-25 AD_ASST 4400.00 0.00 101 10 10 10 10
193 Britney Everett BEVERETT 650.501.2876 1987-09-18 SH_CLERK 3900.00 0.00 123 50 1987-09-18 SH_CLERK 3200.00 0.00 123 50 1987-09-19 SH_CLERK 3200.00 0.00 123 50 1987-09-20 SH_CLERK 3200.00 0.00 123 50 1987-09-20 SH_CLERK 3200.00 0.00 123 50 1987-09-20 SH_CLERK 3200.00 0.00 124 50 1987-09-21 SH_CLERK 3100.00 0.00 124 50 1987-09-22 SH_CLERK 3100.00 0.00 124 50 1987-09-22 SH_CLERK 3000.00 0.00 124 50 1987-09-22 SH_CLERK 3000.00 0.00 124 50 1987-09-23 SH_CLERK 3000.00 0.00 124 50 1987-09-23 SH_CLERK 3000.00 0.00 124 50 1987-09-24 SH_CLERK 3000.00 0.00 124 50 1987-09-25 AD_ASST 3000.00 0.00 124 50 1987-09-25 AD_ASST 3000.00 0.00 101 10 10 10 10
194 Samuel
195 Vance Jones VJONES 650.501.4876 1987-09-20 SH_CLERK 2800.00 0.00 123 50
196 Alana Walsh AWALSH 650.507.9811 1987-09-21 SH_CLERK 3100.00 0.00 124 50
197 Kevin
198 Donald
199 Douglas Grant DGRANT 650.507.9844 1987-09-24 SH_CLERK 2600.00 0.00 124 50
200 Jennifer Whalen JWHALEN 515.123.4444 1987-09-25 AD_ASST 4400.00 0.00 101 10
201 Michael Hartstein MHARTSTE 515.123.5555 1987-09-26 MK_MAN 13000.00 0.00 100 20
202 Pat
203 Susan Mavris SMAVRIS 515.123.7777 1987-09-28 HR_REP 6500.00 0.00 101 40
204 Hermann Baer HBAER 515.123.8888 1987-09-29 PR_REP 10000.00 0.00 101 70
205 Shelley Higgins SHIGGINS 515.123.8080 1987-09-30 AC_MGR 12000.00 0.00 101 110
206 William Gietz WGIETZ 515.123.8181 1987-10-01 AC_ACCOUNT 8300.00 0.00 205 110

SELECT COUNT(DISTINCT job_id)

FROM employees;



2. Write a query to get the total salaries payable to employees.

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 1987-06-17 AD_PRES 24000.00 0.00 0 90
101 Neena Kochhar NKOCHHAR 515.123.4568 1987-06-18 AD_VP 17000.00 0.00 100 90
102 Lex De Haan LDEHAAN 515.123.4569 1987-06-19 AD_VP 17000.00 0.00 100 90
103 Alexander Hunold AHUNOLD 590.423.4567 1987-06-20 IT_PROG 9000.00 0.00 102 60
104 Bruce Ernst BERNST 590.423.4568 1987-06-21 IT_PROG 6000.00 0.00 103 60
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107 Diana Lorentz DLORENTZ 590.423.5567 1987-06-24 IT_PROG 4200.00 0.00 103 60
108 Nancy Greenberg NGREENBE 515.124.4569 1987-06-25 FI_MGR 12000.00 0.00 101 100
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111 Ismael Sciarra ISCIARRA 515.124.4369 1987-06-28 FI_ACCOUNT 7700.00 0.00 108 100
112 Jose Manuel Urman JMURMAN 515.124.4469 1987-06-29 FI_ACCOUNT 7800.00 0.00 108 100
113 Luis Popp LPOPP 515.124.4567 1987-06-30 FI_ACCOUNT 6900.00 0.00 108 100
114 Den Raphaely DRAPHEAL 515.127.4561 1987-07-01 PU_MAN 11000.00 0.00 100 30
115 Alexander Khoo AKHOO 515.127.4562 1987-07-02 PU_CLERK 3100.00 0.00 114 30
116 Shelli Baida SBAIDA 515.127.4563 1987-07-03 PU_CLERK 2900.00 0.00 114 30
117 Sigal Tobias STOBIAS 515.127.4564 1987-07-04 PU_CLERK 2800.00 0.00 114 30
118 Guy Himuro GHIMURO 515.127.4565 1987-07-05 PU_CLERK 2600.00 0.00 114 30



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120 Matthew Weiss MWEISS 650.123.1234 1987-07-07 ST_MAN 8000.00 0.00 100 50
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122 Payam Kaufling PKAUFLIN 650.123.3234 1987-07-09 ST_MAN 7900.00 0.00 100 50
123 Shanta Vollman SVOLLMAN 650.123.4234 1987-07-10 ST_MAN
6500.00 0.00 100 50
5800.00 0.00 100 50 125 Julia Nayer JNAYER 650.124.1214 1987-07-12 ST_CLERK
3200.00 0.00 120 50 126 Irene Mikkilineni IMIKKILI 650.124.1224 1987-07-13 ST_CLERK
2700.00 0.00 120 50 127 James Landry JLANDRY 650.124.1334 1987-07-14 ST_CLERK
2400.00 0.00 120 50 128 Steven Markle SMARKLE 650.124.1434 1987-07-15 ST_CLERK
2200.00 0.00 120 50 129 Laura Bissot LBISSOT 650.124.5234 1987-07-16 ST_CLERK
3300.00 0.00 121 50
2800.00 0.00 121 50 131 James Marlow JAMRLOW 650.124.7234 1987-07-18 ST_CLERK
2500.00 0.00 121 50
132 TJ Olson TJOLSON 650.124.8234 1987-07-19 ST_CLERK 2100.00 0.00 121 50
133 Jason Mallin JMALLIN 650.127.1934 1987-07-20 ST_CLERK 3300.00 0.00 122 50
134 Michael Rogers MROGERS 650.127.1834 1987-07-21 ST_CLERK 2900.00 0.00 122 50 135 Ki Gee KGEE 650.127.1734 1987-07-22 ST_CLERK 2400.00
135 Ki Gee KGEE 650.127.1734 1987-07-22 ST_CLERK 2400.00 0.00 122 50
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137 Renske Ladwig RLADWIG 650.121.1234 1987-07-24 ST_CLERK 3600.00 0.00 123 50
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141 Trenna Rajs TRAJS 650.121.8009 1987-07-28 ST_CLERK 3500.00 0.00 124 50



142 Curtis Davies CDAVIES 650.121.2994 1987-07-29 ST_CLERK 3100.00 0.00 124 50
143 Randall Matos RMATOS 650.121.2874 1987-07-30 ST_CLERK 2600.00 0.00 124 50
144 Peter Vargas PVARGAS 650.121.2004 1987-07-31 ST_CLERK 2500.00 0.00 124 50
145 John Russell JRUSSEL 011.44.1344.429268 1987-08-01 SA_MAN 14000.00 0.40 100 80
146 Karen Partners KPARTNER 011.44.1344.467268 1987-08-02 SA_MAN
13500.00 0.30 100 80
12000.00 0.30 100 80
11000.00 0.30 100 80
10500.00 0.20 100 80 150 Peter Tucker PTUCKER 011.44.1344.129268 1987-08-06 SA_REP
10000.00 0.30 145 80
151 David Bernstein DBERNSTE 011.44.1344.345268 1987-08-07 SA_REP 9500.00 0.25 145 80
152 Peter Hall PHALL 011.44.1344.478968 1987-08-08 SA_REP 9000.00 0.25 145 80
153 Christopher Olsen COLSEN 011.44.1344.498718 1987-08-09 SA_REP 8000.00 0.20 145 80
154 Nanette Cambrault NCAMBRAU 011.44.1344.987668 1987-08-10 SA_REP 7500.00 0.20 145 80
155 Oliver Tuvault OTUVAULT 011.44.1344.486508 1987-08-11 SA_REP 7000.00 0.15 145 80
156 Janette King JKING 011.44.1345.429268 1987-08-12 SA_REP 10000.00 0.35 146 80
157 Patrick Sully PSULLY 011.44.1345.929268 1987-08-13 SA_REP 9500.00 0.35 146 80
158 Allan McEwen AMCEWEN 011.44.1345.829268 1987-08-14 SA_REP 9000.00 0.35 146 80
159 Lindsey Smith LSMITH 011.44.1345.729268 1987-08-15 SA_REP 8000.00 0.30 146 80
160 Louise Doran LDORAN 011.44.1345.629268 1987-08-16 SA_REP 7500.00 0.30 146 80
161 Sarath Sewall SSEWALL 011.44.1345.529268 1987-08-17 SA_REP 7000.00 0.25 146 80
162 Clara Vishney CVISHNEY 011.44.1346.129268 1987-08-18 SA_REP 10500.00 0.25 147 80
163 Danielle Greene DGREENE 011.44.1346.229268 1987-08-19 SA_REP 9500.00 0.15 147 80
164 Mattea Marvins MMARVINS 011.44.1346.329268 1987-08-20 SA_REP 7200.00 0.10 147 80



165 David Lee DLEE 011.44.1346.529268 1987-08-21 SA_REP 6800.00 0.10 147 80
166 Sundar Ande SANDE 011.44.1346.629268 1987-08-22 SA_REP 6400.00 0.10 147 80
167 Amit Banda ABANDA 011.44.1346.729268 1987-08-23 SA_REP 6200.00 0.10 147 80
168 Lisa Ozer LOZER 011.44.1343.929268 1987-08-24 SA_REP 11500.00 0.25 148 80
169 Harrison Bloom HBLOOM 011.44.1343.829268 1987-08-25 SA_REP
10000.00 0.20 148 80
9600.00 0.20 148 80
7400.00 0.15 148 80
7300.00 0.15 148 80
6100.00 0.10 148 80
11000.00 0.30 149 80
8800.00 0.25 149 80 176 Jonathon Taylor JTAYLOR 011.44.1644.429265 1987-09-01 SA_REP
8600.00 0.20 149 80
177 Jack Livingston JLIVINGS 011.44.1644.429264 1987-09-02 SA_REP 8400.00 0.20 149 80
178 Kimberely Grant KGRANT 011.44.1644.429263 1987-09-03 SA_REP 7000.00 0.15 149 0
179 Charles Johnson CJOHNSON 011.44.1644.429262 1987-09-04 SA_REP 6200.00 0.10 149 80
180 Winston Taylor WTAYLOR 650.507.9876 1987-09-05 SH_CLERK 3200.00 0.00 120 50
181 Jean Fleaur JFLEAUR 650.507.9877 1987-09-06 SH_CLERK 3100.00 0.00 120 50
182 Martha Sullivan MSULLIVA 650.507.9878 1987-09-07 SH_CLERK 2500.00 0.00 120 50
183 Girard Geoni GGEONI 650.507.9879 1987-09-08 SH_CLERK 2800.00 0.00 120 50
184 Nandita Sarchand NSARCHAN 650.509.1876 1987-09-09 SH_CLERK 4200.00 0.00 121 50
185 Alexis Bull ABULL 650.509.2876 1987-09-10 SH_CLERK 4100.00 0.00 121 50
186 Julia Dellinger JDELLING 650.509.3876 1987-09-11 SH_CLERK 3400.00 0.00 121 50
187 Anthony Cabrio ACABRIO 650.509.4876 1987-09-12 SH_CLERK 3000.00 0.00 121 50



188 Kelly Chung KCHUNG 650.505.1876 1987-09-13 SH_CLERK 3800.00 0.00 122 50
189 Jennifer Dilly JDILLY 650.505.2876 1987-09-14 SH_CLERK 3600.00 0.00 122 50
190 Timothy Gates TGATES 650.505.3876 1987-09-15 SH_CLERK 2900.00 0.00 122 50
191 Randall Perkins RPERKINS 650.505.4876 1987-09-16 SH_CLERK 2500.00 0.00 122 50
192 Sarah Bell SBELL 650.501.1876 1987-09-17 SH_CLERK 4000.00 0.00 123 50
193 Britney Everett BEVERETT 650.501.2876 1987-09-18 SH_CLERK 3900.00 0.00 123 50
194 Samuel McCain SMCCAIN 650.501.3876 1987-09-19 SH_CLERK 3200.00 0.00 123 50
195 Vance Jones VJONES 650.501.4876 1987-09-20 SH_CLERK 2800.00 0.00 123 50
196 Alana Walsh AWALSH 650.507.9811 1987-09-21 SH_CLERK 3100.00 0.00 124 50
197 Kevin Feeney KFEENEY 650.507.9822 1987-09-22 SH_CLERK 3000.00 0.00 124 50
198 Donald OConnell DOCONNEL 650.507.9833 1987-09-23 SH_CLERK 2600.00 0.00 124 50
199 Douglas Grant DGRANT 650.507.9844 1987-09-24 SH_CLERK 2600.00 0.00 124 50
200 Jennifer Whalen JWHALEN 515.123.4444 1987-09-25 AD_ASST 4400.00 0.00 101 10
201 Michael Hartstein MHARTSTE 515.123.5555 1987-09-26 MK_MAN 13000.00 0.00 100 20
202 Pat Fay PFAY 603.123.6666 1987-09-27 MK_REP 6000.00 0.00 201 20
203 Susan Mavris SMAVRIS 515.123.7777 1987-09-28 HR_REP 6500.00 0.00 101 40
204 Hermann Baer HBAER 515.123.8888 1987-09-29 PR_REP 10000.00 0.00 101 70
205 Shelley Higgins SHIGGINS 515.123.8080 1987-09-30 AC_MGR 12000.00 0.00 101 110
206 William Gietz WGIETZ 515.123.8181 1987-10-01 AC_ACCOUNT 8300.00 0.00 205 110

SELECT SUM(salary)

FROM employees;



3. Write a query to get the minimum salary from employees table.

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 1987-06-17 AD_PRES 24000.00 0.00 0 90
101 Neena Kochhar NKOCHHAR 515.123.4568 1987-06-18 AD_VP 17000.00 0.00 100 90
102 Lex De Haan LDEHAAN 515.123.4569 1987-06-19 AD_VP 17000.00 0.00 100 90
103 Alexander Hunold AHUNOLD 590.423.4567 1987-06-20 IT_PROG 9000.00 0.00 102 60
104 Bruce Ernst BERNST 590.423.4568 1987-06-21 IT_PROG 6000.00 0.00 103 60
105 David Austin DAUSTIN 590.423.4569 1987-06-22 IT_PROG 4800.00 0.00 103 60
106 Valli Pataballa VPATABAL 590.423.4560 1987-06-23 IT_PROG 4800.00 0.00 103 60
107 Diana Lorentz DLORENTZ 590.423.5567 1987-06-24 IT_PROG 4200.00 0.00 103 60
108 Nancy Greenberg NGREENBE 515.124.4569 1987-06-25 FI_MGR 12000.00 0.00 101 100
109 Daniel Faviet DFAVIET 515.124.4169 1987-06-26 FI_ACCOUNT 9000.00 0.00 108 100
110 John Chen JCHEN 515.124.4269 1987-06-27 FI_ACCOUNT 8200.00 0.00 108 100
111 Ismael Sciarra ISCIARRA 515.124.4369 1987-06-28 FI_ACCOUNT 7700.00 0.00 108 100
112 Jose Manuel Urman JMURMAN 515.124.4469 1987-06-29 FI_ACCOUNT 7800.00 0.00 108 100
113 Luis Popp LPOPP 515.124.4567 1987-06-30 FI_ACCOUNT 6900.00 0.00 108 100
114 Den
115 Alexander Khoo AKHOO 515.127.4562 1987-07-02 PU_CLERK 3100.00 0.00 114 30
116 Shelli Baida SBAIDA 515.127.4563 1987-07-03 PU_CLERK 2900.00 0.00 114 30
117 Sigal Tobias STOBIAS 515.127.4564 1987-07-04 PU_CLERK 2800.00 0.00 114 30
118 Guy Himuro GHIMURO 515.127.4565 1987-07-05 PU_CLERK 2600.00 0.00 114 30
119 Karen Colmenares KCOLMENA 515.127.4566 1987-07-06 PU_CLERK 2500.00 0.00 114 30



120 Matthew Weiss MWEISS 650.123.1234 1987-07-07 ST_MAN 8000.00 0.00 100 50
121 Adam Fripp AFRIPP 650.123.2234 1987-07-08 ST_MAN 8200.00 0.00 100 50
122 Payam Kaufling PKAUFLIN 650.123.3234 1987-07-09 ST_MAN 7900.00 0.00 100 50
123 Shanta Vollman SVOLLMAN 650.123.4234 1987-07-10 ST_MAN
6500.00 0.00 100 50
5800.00 0.00 100 50
3200.00 0.00 120 50 126 Irene Mikkilineni IMIKKILI 650.124.1224 1987-07-13 ST_CLERK
2700.00 0.00 120 50
2400.00 0.00 120 50 128 Steven Markle SMARKLE 650.124.1434 1987-07-15 ST_CLERK
2200.00 0.00 120 50
129 Laura Bissot LBISSOT 650.124.5234 1987-07-16 ST_CLERK 3300.00 0.00 121 50
130 Mozhe Atkinson MATKINSO 650.124.6234 1987-07-17 ST_CLERK 2800.00 0.00 121 50
131 James Marlow JAMRLOW 650.124.7234 1987-07-18 ST_CLERK 2500.00 0.00 121 50
132 TJ Olson TJOLSON 650.124.8234 1987-07-19 ST_CLERK 2100.00 0.00 121 50
133 Jason Mallin JMALLIN 650.127.1934 1987-07-20 ST_CLERK 3300.00 0.00 122 50
134 Michael Rogers MROGERS 650.127.1834 1987-07-21 ST_CLERK 2900.00 0.00 122 50
135 Ki
136 Hazel Philtanker HPHILTAN 650.127.1634 1987-07-23 ST_CLERK 2200.00 0.00 122 50
137 Renske Ladwig RLADWIG 650.121.1234 1987-07-24 ST_CLERK 3600.00 0.00 123 50
138 Stephen Stiles SSTILES 650.121.2034 1987-07-25 ST_CLERK 3200.00 0.00 123 50
139 John Seo JSEO 650.121.2019 1987-07-26 ST_CLERK 2700.00 0.00 123 50
140 Joshua Patel JPATEL 650.121.1834 1987-07-27 ST_CLERK 2500.00 0.00 123 50
141 Trenna Rajs TRAJS 650.121.8009 1987-07-28 ST_CLERK 3500.00 0.00 124 50
142 Curtis Davies CDAVIES 650.121.2994 1987-07-29 ST_CLERK 3100.00 0.00 124 50



143 Randall Matos RMATOS 650.121.2874 1987-07-30 ST_CLERK 2600.00 0.00 124 50
144 Peter Vargas PVARGAS 650.121.2004 1987-07-31 ST_CLERK 2500.00 0.00 124 50
145 John Russell JRUSSEL 011.44.1344.429268 1987-08-01 SA_MAN 14000.00 0.40 100 80
146 Karen Partners KPARTNER 011.44.1344.467268 1987-08-02 SA_MAN 13500.00 0.30 100 80
147 Alberto Errazuriz AERRAZUR 011.44.1344.429278 1987-08-03 SA_MAN 12000.00 0.30 100 80
148 Gerald Cambrault GCAMBRAU 011.44.1344.619268 1987-08-04 SA_MAN
11000.00 0.30 100 80
10500.00 0.20 100 80
10000.00 0.30 145 80
9500.00 0.25 145 80
152 Peter Hall PHALL 011.44.1344.478968 1987-08-08 SA_REP 9000.00 0.25 145 80
153 Christopher Olsen COLSEN 011.44.1344.498718 1987-08-09 SA_REP 8000.00 0.20 145 80
154 Nanette Cambrault NCAMBRAU 011.44.1344.987668 1987-08-10 SA_REP 7500.00 0.20 145 80
155 Oliver Tuvault OTUVAULT 011.44.1344.486508 1987-08-11 SA_REP 7000.00 0.15 145 80
156 Janette King JKING 011.44.1345.429268 1987-08-12 SA_REP 10000.00 0.35 146 80
157 Patrick Sully PSULLY 011.44.1345.929268 1987-08-13 SA_REP 9500.00 0.35 146 80
158 Allan McEwen AMCEWEN 011.44.1345.829268 1987-08-14 SA_REP 9000.00 0.35 146 80
159 Lindsey Smith LSMITH 011.44.1345.729268 1987-08-15 SA_REP 8000.00 0.30 146 80
160 Louise Doran LDORAN 011.44.1345.629268 1987-08-16 SA_REP 7500.00 0.30 146 80
161 Sarath Sewall SSEWALL 011.44.1345.529268 1987-08-17 SA_REP 7000.00 0.25 146 80
162 Clara Vishney CVISHNEY 011.44.1346.129268 1987-08-18 SA_REP 10500.00 0.25 147 80
163 Danielle Greene DGREENE 011.44.1346.229268 1987-08-19 SA_REP 9500.00 0.15 147 80
164 Mattea Marvins MMARVINS 011.44.1346.329268 1987-08-20 SA_REP 7200.00 0.10 147 80
165 David Lee DLEE 011.44.1346.529268 1987-08-21 SA_REP 6800.00 0.10 147 80



166 Sundar Ande SANDE 011.44.1346.629268 1987-08-22 SA_REP 6400.00 0.10 147 80
167 Amit Banda ABANDA 011.44.1346.729268 1987-08-23 SA_REP 6200.00 0.10 147 80
168 Lisa Ozer LOZER 011.44.1343.929268 1987-08-24 SA_REP 11500.00 0.25 148 80
169 Harrison Bloom HBLOOM 011.44.1343.829268 1987-08-25 SA_REP 10000.00 0.20 148 80
170 Tayler Fox TFOX 011.44.1343.729268 1987-08-26 SA_REP
9600.00 0.20 148 80
7400.00 0.15 148 80
7300.00 0.15 148 80
6100.00 0.10 148 80
11000.00 0.30 149 80
175 Alyssa Hutton AHUTTON 011.44.1644.429266 1987-08-31 SA_REP 8800.00 0.25 149 80
176 Jonathon Taylor JTAYLOR 011.44.1644.429265 1987-09-01 SA_REP 8600.00 0.20 149 80
177 Jack Livingston JLIVINGS 011.44.1644.429264 1987-09-02 SA_REP 8400.00 0.20 149 80
178 Kimberely Grant KGRANT 011.44.1644.429263 1987-09-03 SA_REP 7000.00 0.15 149 0
179 Charles Johnson CJOHNSON 011.44.1644.429262 1987-09-04 SA_REP 6200.00 0.10 149 80
180 Winston Taylor WTAYLOR 650.507.9876 1987-09-05 SH_CLERK 3200.00 0.00 120 50
181 Jean Fleaur JFLEAUR 650.507.9877 1987-09-06 SH_CLERK 3100.00 0.00 120 50
182 Martha Sullivan MSULLIVA 650.507.9878 1987-09-07 SH_CLERK 2500.00 0.00 120 50
183 Girard Geoni GGEONI 650.507.9879 1987-09-08 SH_CLERK 2800.00 0.00 120 50
184 Nandita Sarchand NSARCHAN 650.509.1876 1987-09-09 SH_CLERK 4200.00 0.00 121 50
185 Alexis Bull ABULL 650.509.2876 1987-09-10 SH_CLERK 4100.00 0.00 121 50
186 Julia Dellinger JDELLING 650.509.3876 1987-09-11 SH_CLERK 3400.00 0.00 121 50
187 Anthony Cabrio ACABRIO 650.509.4876 1987-09-12 SH_CLERK 3000.00 0.00 121 50
188 Kelly Chung KCHUNG 650.505.1876 1987-09-13 SH_CLERK 3800.00 0.00 122 50



189 Jennifer Dilly JDILLY 650.505.2876 1987-09-14 SH_CLERK
3600.00 0.00 122 50
190 Timothy Gates TGATES 650.505.3876 1987-09-15 SH_CLERK
2900.00 0.00 122 50
191 Randall Perkins RPERKINS 650.505.4876 1987-09-16 SH_CLERK
2500.00 0.00 122 50
192 Sarah Bell SBELL 650.501.1876 1987-09-17 SH_CLERK
4000.00 0.00 123 50
193 Britney Everett BEVERETT 650.501.2876 1987-09-18 SH_CLERK
3900.00 0.00 123 50
194 Samuel McCain SMCCAIN 650.501.3876 1987-09-19 SH_CLERK
3200.00 0.00 123 50
195 Vance Jones VJONES 650.501.4876 1987-09-20 SH_CLERK
2800.00 0.00 123 50
196 Alana Walsh AWALSH 650.507.9811 1987-09-21 SH_CLERK
3100.00 0.00 124 50
197 Kevin Feeney KFEENEY 650.507.9822 1987-09-22 SH_CLERK
3000.00 0.00 124 50
198 Donald OConnell DOCONNEL 650.507.9833 1987-09-23 SH_CLERK
2600.00 0.00 124 50
199 Douglas Grant DGRANT 650.507.9844 1987-09-24 SH_CLERK
2600.00 0.00 124 50
200 Jennifer Whalen JWHALEN 515.123.4444 1987-09-25 AD_ASST
200 Jennifer Wilder JWHALLIN 313.123.4444 1307 03 23 AD_A331 4400.00 0.00 101 10
201 Michael Hartstein MHARTSTE 515.123.5555 1987-09-26 MK_MAN
201 Michael Martstelli Milaki 1300.00 100 20
202 Pat
0.00 201 20
203 Susan Mavris SMAVRIS 515.123.7777 1987-09-28 HR_REP
0.00 0.00 101 40
204 Hermann Baer HBAER 515.123.8888 1987-09-29 PR_REP
10000.00 0.00 101 70
205 Shelley Higgins SHIGGINS 515.123.8080 1987-09-30 AC_MGR
12000.00 0.00 101 110
206 William Gietz WGIETZ 515.123.8181 1987-10-01 AC_ACCOUNT
8300.00 0.00 205 110

SELECT MIN(salary)

FROM employees;



4. Write a query to get the maximum salary of an employee working as a Programmer.

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 1987-06-17 AD_PRES 24000.00 0.00 0 90
101 Neena Kochhar NKOCHHAR 515.123.4568 1987-06-18 AD_VP 17000.00 0.00 100 90
102 Lex
103 Alexander Hunold AHUNOLD 590.423.4567 1987-06-20 IT_PROG 9000.00 0.00 102 60
104 Bruce Ernst BERNST 590.423.4568 1987-06-21 IT_PROG 6000.00 0.00 103 60
105 David Austin DAUSTIN 590.423.4569 1987-06-22 IT_PROG 4800.00 0.00 103 60
106 Valli Pataballa VPATABAL 590.423.4560 1987-06-23 IT_PROG 4800.00 0.00 103 60
107 Diana Lorentz DLORENTZ 590.423.5567 1987-06-24 IT_PROG 4200.00 0.00 103 60
108 Nancy Greenberg NGREENBE 515.124.4569 1987-06-25 FI_MGR 12000.00 0.00 101 100
109 Daniel Faviet DFAVIET 515.124.4169 1987-06-26 FI_ACCOUNT 9000.00 0.00 108 100
110 John Chen JCHEN 515.124.4269 1987-06-27 FI_ACCOUNT 8200.00 0.00 108 100
111 Ismael Sciarra ISCIARRA 515.124.4369 1987-06-28 FI_ACCOUNT 7700.00 0.00 108 100
112 Jose Manuel Urman JMURMAN 515.124.4469 1987-06-29 FI_ACCOUNT 7800.00 0.00 108 100
113 Luis Popp LPOPP 515.124.4567 1987-06-30 FI_ACCOUNT 6900.00 0.00 108 100
114 Den Raphaely DRAPHEAL 515.127.4561 1987-07-01 PU_MAN 11000.00 0.00 100 30
115 Alexander Khoo AKHOO 515.127.4562 1987-07-02 PU_CLERK 3100.00 0.00 114 30
116 Shelli Baida SBAIDA 515.127.4563 1987-07-03 PU_CLERK 2900.00 0.00 114 30
117 Sigal Tobias STOBIAS 515.127.4564 1987-07-04 PU_CLERK 2800.00 0.00 114 30
118 Guy Himuro GHIMURO 515.127.4565 1987-07-05 PU_CLERK 2600.00 0.00 114 30



119 Karen Colmenares KCOLMENA 515.127.4566 1987-07-06 PU_CLERK 2500.00 0.00 114 30
120 Matthew Weiss MWEISS 650.123.1234 1987-07-07 ST_MAN 8000.00 0.00 100 50
121 Adam Fripp AFRIPP 650.123.2234 1987-07-08 ST_MAN 8200.00 0.00 100 50
122 Payam Kaufling PKAUFLIN 650.123.3234 1987-07-09 ST_MAN 7900.00 0.00 100 50
123 Shanta Vollman SVOLLMAN 650.123.4234 1987-07-10 ST_MAN
6500.00 0.00 100 50
5800.00 0.00 100 50
3200.00 0.00 120 50 126 Irene Mikkilineni IMIKKILI 650.124.1224 1987-07-13 ST_CLERK
2700.00 0.00 120 50 127 James Landry JLANDRY 650.124.1334 1987-07-14 ST_CLERK
2400.00 0.00 120 50 128 Steven Markle SMARKLE 650.124.1434 1987-07-15 ST_CLERK
2200.00 0.00 120 50 129 Laura Bissot LBISSOT 650.124.5234 1987-07-16 ST_CLERK
3300.00 0.00 121 50
2800.00 0.00 121 50
131 James Marlow JAMRLOW 650.124.7234 1987-07-18 ST_CLERK 2500.00 0.00 121 50
132 TJ Olson TJOLSON 650.124.8234 1987-07-19 ST_CLERK 2100.00 0.00 121 50
133 Jason Mallin JMALLIN 650.127.1934 1987-07-20 ST_CLERK 3300.00 0.00 122 50
134 Michael Rogers MROGERS 650.127.1834 1987-07-21 ST_CLERK 2900.00 0.00 122 50
135 Ki Gee KGEE 650.127.1734 1987-07-22 ST_CLERK 2400.00 0.00 122 50
136 Hazel Philtanker HPHILTAN 650.127.1634 1987-07-23 ST_CLERK 2200.00 0.00 122 50
137 Renske Ladwig RLADWIG 650.121.1234 1987-07-24 ST_CLERK 3600.00 0.00 123 50
138 Stephen Stiles SSTILES 650.121.2034 1987-07-25 ST_CLERK 3200.00 0.00 123 50
139 John Seo JSEO 650.121.2019 1987-07-26 ST_CLERK 2700.00 0.00 123 50
140 Joshua Patel JPATEL 650.121.1834 1987-07-27 ST_CLERK 2500.00 0.00 123 50
141 Trenna Rajs TRAJS 650.121.8009 1987-07-28 ST_CLERK 3500.00 0.00 124 50



142 Curtis Davies CDAVIES 650.121.2994 1987-07-29 ST_CLERK 3100.00 0.00 124 50
143 Randall Matos RMATOS 650.121.2874 1987-07-30 ST_CLERK 2600.00 0.00 124 50
144 Peter Vargas PVARGAS 650.121.2004 1987-07-31 ST_CLERK
2500.00 0.00 124 50
145 John Russell JRUSSEL 011.44.1344.429268 1987-08-01 SA_MAN 14000.00 0.40 100 80
146 Karen Partners KPARTNER 011.44.1344.467268 1987-08-02 SA_MAN
13500.00 0.30 100 80
147 Alberto Errazuriz AERRAZUR 011.44.1344.429278 1987-08-03 SA_MAN
12000.00 0.30 100 80
148 Gerald Cambrault GCAMBRAU 011.44.1344.619268 1987-08-04 SA_MAN 11000.00 0.30 100 80
149 Eleni Zlotkey EZLOTKEY 011.44.1344.429018 1987-08-05 SA_MAN
10500.00 0.20 100 80
150 Peter Tucker PTUCKER 011.44.1344.129268 1987-08-06 SA_REP
10000.00 0.30 145 80
151 David Bernstein DBERNSTE 011.44.1344.345268 1987-08-07 SA_REP
9500.00 0.25 145 80
152 Peter Hall PHALL 011.44.1344.478968 1987-08-08 SA_REP
9000.00 0.25 145 80
153 Christopher Olsen COLSEN 011.44.1344.498718 1987-08-09 SA_REP 8000.00 0.20 145 80
154 Nanette Cambrault NCAMBRAU 011.44.1344.987668 1987-08-10 SA_REP 7500.00 0.20 145 80
155 Oliver Tuvault OTUVAULT 011.44.1344.486508 1987-08-11 SA_REP 7000.00 0.15 145 80
156 Janette King JKING 011.44.1345.429268 1987-08-12 SA_REP
10000.00 0.35 146 80
157 Patrick Sully PSULLY 011.44.1345.929268 1987-08-13 SA_REP 9500.00 0.35 146 80
158 Allan McEwen AMCEWEN 011.44.1345.829268 1987-08-14 SA_REP 9000.00 0.35 146 80
159 Lindsey Smith LSMITH 011.44.1345.729268 1987-08-15 SA_REP 8000.00 0.30 146 80
160 Louise Doran LDORAN 011.44.1345.629268 1987-08-16 SA_REP 7500.00 0.30 146 80
161 Sarath Sewall SSEWALL 011.44.1345.529268 1987-08-17 SA_REP 7000.00 0.25 146 80
17000:00 0:25 140 00
162 Clara Vishney CVISHNEY 011.44.1346.129268 1987-08-18 SA_REP
162 Clara Vishney CVISHNEY 011.44.1346.129268 1987-08-18 SA_REP 10500.00 0.25 147 80 163 Danielle Greene DGREENE 011.44.1346.229268 1987-08-19 SA_REP
162 Clara Vishney CVISHNEY 011.44.1346.129268 1987-08-18 SA_REP 10500.00 0.25 147 80



165 David Lee DLEE 011.44.1346.529268 1987-08-21 SA_REP 6800.00 0.10 147 80
166 Sundar Ande SANDE 011.44.1346.629268 1987-08-22 SA_REP 6400.00 0.10 147 80
167 Amit Banda ABANDA 011.44.1346.729268 1987-08-23 SA_REP 6200.00 0.10 147 80
168 Lisa Ozer LOZER 011.44.1343.929268 1987-08-24 SA_REP 11500.00 0.25 148 80
169 Harrison Bloom HBLOOM 011.44.1343.829268 1987-08-25 SA_REP
10000.00 0.20 148 80 170 Tayler Fox
9600.00 0.20 148 80
7400.00 0.15 148 80 172 Elizabeth Bates EBATES 011.44.1343.529268 1987-08-28 SA_REP
7300.00 0.15 148 80
6100.00 0.10 148 80
11000.00 0.30 149 80
8800.00 0.25 149 80 176 Jonathon Taylor JTAYLOR 011.44.1644.429265 1987-09-01 SA_REP
8600.00 0.20 149 80
177 Jack Livingston JLIVINGS 011.44.1644.429264 1987-09-02 SA_REP 8400.00 0.20 149 80
178 Kimberely Grant KGRANT 011.44.1644.429263 1987-09-03 SA_REP 7000.00 0.15 149 0
179 Charles Johnson CJOHNSON 011.44.1644.429262 1987-09-04 SA_REP 6200.00 0.10 149 80
180 Winston Taylor WTAYLOR 650.507.9876 1987-09-05 SH_CLERK 3200.00 0.00 120 50
181 Jean Fleaur JFLEAUR 650.507.9877 1987-09-06 SH_CLERK 3100.00 0.00 120 50
182 Martha Sullivan MSULLIVA 650.507.9878 1987-09-07 SH_CLERK 2500.00 0.00 120 50
183 Girard Geoni GGEONI 650.507.9879 1987-09-08 SH_CLERK 2800.00 0.00 120 50
184 Nandita Sarchand NSARCHAN 650.509.1876 1987-09-09 SH_CLERK 4200.00 0.00 121 50
185 Alexis Bull ABULL 650.509.2876 1987-09-10 SH_CLERK 4100.00 0.00 121 50
186 Julia Dellinger JDELLING 650.509.3876 1987-09-11 SH_CLERK 3400.00 0.00 121 50
187 Anthony Cabrio ACABRIO 650.509.4876 1987-09-12 SH_CLERK 3000.00 0.00 121 50



188 Kelly Chung KCHUNG 650.505.1876 1987-09-13 SH_CLERK 3800.00 0.00 122 50
189 Jennifer Dilly JDILLY 650.505.2876 1987-09-14 SH_CLERK 3600.00 0.00 122 50
190 Timothy Gates TGATES 650.505.3876 1987-09-15 SH CLERK
2900.00 0.00 122 50
2500.00 0.00 122 50
192 Sarah Bell SBELL 650.501.1876 1987-09-17 SH_CLERK 4000.00 0.00 123 50
193 Britney Everett BEVERETT 650.501.2876 1987-09-18 SH_CLERK 3900.00 0.00 123 50
194 Samuel McCain SMCCAIN 650.501.3876 1987-09-19 SH_CLERK 3200.00 0.00 123 50
195 Vance Jones VJONES 650.501.4876 1987-09-20 SH_CLERK 2800.00 0.00 123 50
196 Alana Walsh AWALSH 650.507.9811 1987-09-21 SH_CLERK 3100.00 0.00 124 50
197 Kevin Feeney KFEENEY 650.507.9822 1987-09-22 SH_CLERK 3000.00 0.00 124 50
198 Donald OConnell DOCONNEL 650.507.9833 1987-09-23 SH_CLERK 2600.00 0.00 124 50
199 Douglas Grant DGRANT 650.507.9844 1987-09-24 SH_CLERK 2600.00 0.00 124 50
200 Jennifer Whalen JWHALEN 515.123.4444 1987-09-25 AD_ASST 4400.00 0.00 101 10
201 Michael Hartstein MHARTSTE 515.123.5555 1987-09-26 MK_MAN 13000.00 0.00 100 20
202 Pat Fay PFAY 603.123.6666 1987-09-27 MK_REP 6000.00
0.00 201 20
204 Hermann Baer HBAER 515.123.8888 1987-09-29 PR_REP 10000.00 0.00 101 70
205 Shelley Higgins SHIGGINS 515.123.8080 1987-09-30 AC_MGR 12000.00 0.00 101 110
206 William Gietz WGIETZ 515.123.8181 1987-10-01 AC_ACCOUNT 8300.00 0.00 205 110

```
SELECT MAX(salary)

FROM employees

WHERE job_id = 'IT_PROG';
```



5. Write a query to get the average salary and number of employees working the department 90.

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 1987-06-17 AD_PRES 24000.00 0.00 0 90
101 Neena Kochhar NKOCHHAR 515.123.4568 1987-06-18 AD_VP 17000.00 0.00 100 90
102 Lex De Haan LDEHAAN 515.123.4569 1987-06-19 AD_VP 17000.00 0.00 100 90
103 Alexander Hunold AHUNOLD 590.423.4567 1987-06-20 IT_PROG 9000.00 0.00 102 60
104 Bruce Ernst BERNST 590.423.4568 1987-06-21 IT_PROG 6000.00 0.00 103 60
105 David Austin DAUSTIN 590.423.4569 1987-06-22 IT_PROG 4800.00 0.00 103 60
106 Valli Pataballa VPATABAL 590.423.4560 1987-06-23 IT_PROG 4800.00 0.00 103 60
107 Diana Lorentz DLORENTZ 590.423.5567 1987-06-24 IT_PROG 4200.00 0.00 103 60
108 Nancy Greenberg NGREENBE 515.124.4569 1987-06-25 FI_MGR 12000.00 0.00 101 100
109 Daniel Faviet DFAVIET 515.124.4169 1987-06-26 FI_ACCOUNT 9000.00 0.00 108 100
110 John Chen JCHEN 515.124.4269 1987-06-27 FI_ACCOUNT 8200.00 0.00 108 100
111 Ismael Sciarra ISCIARRA 515.124.4369 1987-06-28 FI_ACCOUNT 7700.00 0.00 108 100
112 Jose Manuel Urman JMURMAN 515.124.4469 1987-06-29 FI_ACCOUNT 7800.00 0.00 108 100
113 Luis Popp LPOPP 515.124.4567 1987-06-30 FI_ACCOUNT 6900.00 0.00 108 100
114 Den Raphaely DRAPHEAL 515.127.4561 1987-07-01 PU_MAN 11000.00 0.00 100 30
115 Alexander Khoo AKHOO 515.127.4562 1987-07-02 PU_CLERK 3100.00 0.00 114 30
116 Shelli Baida SBAIDA 515.127.4563 1987-07-03 PU_CLERK 2900.00 0.00 114 30
117 Sigal Tobias STOBIAS 515.127.4564 1987-07-04 PU_CLERK 2800.00 0.00 114 30



118 Guy Himuro GHIMURO 515.127.4565 1987-07-05 PU_CLERK 2600.00 0.00 114 30
119 Karen Colmenares KCOLMENA 515.127.4566 1987-07-06 PU_CLERK 2500.00 0.00 114 30
120 Matthew Weiss MWEISS 650.123.1234 1987-07-07 ST_MAN 8000.00 0.00 100 50
121 Adam Fripp AFRIPP 650.123.2234 1987-07-08 ST_MAN 8200.00 0.00 100 50
122 Payam Kaufling PKAUFLIN 650.123.3234 1987-07-09 ST_MAN 7900.00 0.00 100 50
123 Shanta Vollman SVOLLMAN 650.123.4234 1987-07-10 ST_MAN 6500.00 0.00 100 50
124 Kevin Mourgos KMOURGOS 650.123.5234 1987-07-11 ST_MAN 5800.00 0.00 100 50
125 Julia Nayer JNAYER 650.124.1214 1987-07-12 ST_CLERK 3200.00 0.00 120 50
126 Irene
127 James Landry JLANDRY 650.124.1334 1987-07-14 ST_CLERK 2400.00 0.00 120 50
128 Steven Markle SMARKLE 650.124.1434 1987-07-15 ST_CLERK 2200.00 0.00 120 50
129 Laura Bissot LBISSOT 650.124.5234 1987-07-16 ST_CLERK 3300.00 0.00 121 50
130 Mozhe
131 James Marlow JAMRLOW 650.124.7234 1987-07-18 ST_CLERK 2500.00 0.00 121 50
132 TJ Olson TJOLSON 650.124.8234 1987-07-19 ST_CLERK 2100.00 0.00 121 50
133 Jason Mallin JMALLIN 650.127.1934 1987-07-20 ST_CLERK 3300.00 0.00 122 50
134 Michael Rogers MROGERS 650.127.1834 1987-07-21 ST_CLERK 2900.00 0.00 122 50
135 Ki
136 Hazel Philtanker HPHILTAN 650.127.1634 1987-07-23 ST_CLERK 2200.00 0.00 122 50
137 Renske Ladwig RLADWIG 650.121.1234 1987-07-24 ST_CLERK 3600.00 0.00 123 50
138 Stephen Stiles SSTILES 650.121.2034 1987-07-25 ST_CLERK 3200.00 0.00 123 50
139 John Seo JSEO 650.121.2019 1987-07-26 ST_CLERK 2700.00 0.00 123 50
140 Joshua Patel JPATEL 650.121.1834 1987-07-27 ST_CLERK 2500.00 0.00 123 50



141 Trenna Rajs TRAJS 650.121.8009 1987-07-28 ST_CLERK 3500.00 0.00 124 50
142 Curtis Davies CDAVIES 650.121.2994 1987-07-29 ST_CLERK 3100.00 0.00 124 50
143 Randall Matos RMATOS 650.121.2874 1987-07-30 ST_CLERK 2600.00 0.00 124 50
144 Peter Vargas PVARGAS 650.121.2004 1987-07-31 ST_CLERK 2500.00 0.00 124 50
145 John Russell JRUSSEL 011.44.1344.429268 1987-08-01 SA_MAN
14000.00 0.40 100 80
13500.00 0.30 100 80
12000.00 0.30 100 80
11000.00 0.30 100 80 149 Eleni Zlotkey EZLOTKEY 011.44.1344.429018 1987-08-05 SA_MAN
10500.00 0.20 100 80
150 Peter Tucker PTUCKER 011.44.1344.129268 1987-08-06 SA_REP 10000.00 0.30 145 80
151 David Bernstein DBERNSTE 011.44.1344.345268 1987-08-07 SA_REP 9500.00 0.25 145 80
152 Peter Hall PHALL 011.44.1344.478968 1987-08-08 SA_REP 9000.00 0.25 145 80
153 Christopher Olsen COLSEN 011.44.1344.498718 1987-08-09 SA_REP 8000.00 0.20 145 80
154 Nanette Cambrault NCAMBRAU 011.44.1344.987668 1987-08-10 SA_REP 7500.00 0.20 145 80
155 Oliver Tuvault OTUVAULT 011.44.1344.486508 1987-08-11 SA_REP 7000.00 0.15 145 80
156 Janette King JKING 011.44.1345.429268 1987-08-12 SA_REP 10000.00 0.35 146 80
157 Patrick Sully PSULLY 011.44.1345.929268 1987-08-13 SA_REP 9500.00 0.35 146 80
158 Allan McEwen AMCEWEN 011.44.1345.829268 1987-08-14 SA_REP 9000.00 0.35 146 80
159 Lindsey Smith LSMITH 011.44.1345.729268 1987-08-15 SA_REP 8000.00 0.30 146 80
160 Louise Doran LDORAN 011.44.1345.629268 1987-08-16 SA_REP 7500.00 0.30 146 80
161 Sarath Sewall SSEWALL 011.44.1345.529268 1987-08-17 SA_REP 7000.00 0.25 146 80
162 Clara Vishney CVISHNEY 011.44.1346.129268 1987-08-18 SA_REP 10500.00 0.25 147 80
163 Danielle Greene DGREENE 011.44.1346.229268 1987-08-19 SA_REP 9500.00 0.15 147 80



164 Mattea Marvins MMARVINS 011.44.1346.329268 1987-08-20 SA_REP 7200.00 0.10 147 80
165 David Lee DLEE 011.44.1346.529268 1987-08-21 SA_REP
6800.00 0.10 147 80
166 Sundar Ande SANDE 011.44.1346.629268 1987-08-22 SA_REP 6400.00 0.10 147 80
6400.00 0.10 147 80
167 Amit Banda ABANDA 011.44.1346.729268 1987-08-23 SA_REP 6200.00 0.10 147 80
168 Lisa Ozer LOZER 011.44.1343.929268 1987-08-24 SA_REP
105 Lisa
169 Harrison Bloom HBLOOM 011.44.1343.829268 1987-08-25 SA_REP
10000.00 0.20 148 80
170 Tayler Fox TFOX 011.44.1343.729268 1987-08-26 SA_REP
9600.00 0.20 148 80
171 William Smith WSMITH 011.44.1343.629268 1987-08-27 SA_REP
7400.00 0.15 148 80
172 Elizabeth Bates EBATES 011.44.1343.529268 1987-08-28 SA_REP
7300.00 0.15 148 80
173 Sundita Kumar SKUMAR 011.44.1343.329268 1987-08-29 SA_REP 6100.00 0.10 148 80
174 Ellen Abel EABEL 011.44.1644.429267 1987-08-30 SA_REP
11000.00 0.30 149 80
175 Alyssa Hutton AHUTTON 011.44.1644.429266 1987-08-31 SA_REP 8800.00 0.25 149 80
176 Jonathon Taylor JTAYLOR 011.44.1644.429265 1987-09-01 SA_REP 8600.00 0.20 149 80
177 Jack Livingston JLIVINGS 011.44.1644.429264 1987-09-02 SA_REP 8400.00 0.20 149 80
178 Kimberely Grant KGRANT 011.44.1644.429263 1987-09-03 SA_REP
7000.00 0.15 149 0
179 Charles Johnson CJOHNSON 011.44.1644.429262 1987-09-04 SA_REP 6200.00 0.10 149 80
180 Winston Taylor WTAYLOR 650.507.9876 1987-09-05 SH_CLERK 3200.00 0.00 120 50
181 Jean Fleaur JFLEAUR 650.507.9877 1987-09-06 SH_CLERK 3100.00 0.00 120 50
182 Martha Sullivan MSULLIVA 650.507.9878 1987-09-07 SH_CLERK 2500.00 0.00 120 50
183 Girard Geoni GGEONI 650.507.9879 1987-09-08 SH_CLERK 2800.00 0.00 120 50
184 Nandita Sarchand NSARCHAN 650.509.1876 1987-09-09 SH_CLERK 4200.00 0.00 121 50
185 Alexis Bull ABULL 650.509.2876 1987-09-10 SH_CLERK 4100.00 0.00 121 50
186 Julia Dellinger JDELLING 650.509.3876 1987-09-11 SH_CLERK 3400.00 0.00 121 50



187 Anthony Cabrio ACABRIO 650.509.4876 1987-09-12 SH_CLERK
3000.00 0.00 121 50 188 Kelly Chung KCHUNG 650.505.1876 1987-09-13 SH_CLERK
3800.00 0.00 122 50
189 Jennifer Dilly JDILLY 650.505.2876 1987-09-14 SH_CLERK 3600.00 0.00 122 50
190 Timothy Gates TGATES 650.505.3876 1987-09-15 SH_CLERK 2900.00 0.00 122 50
191 Randall Perkins RPERKINS 650.505.4876 1987-09-16 SH_CLERK 2500.00 0.00 122 50
192 Sarah Bell SBELL 650.501.1876 1987-09-17 SH_CLERK 4000.00 0.00 123 50
193 Britney Everett BEVERETT 650.501.2876 1987-09-18 SH_CLERK 3900.00 0.00 123 50
194 Samuel McCain SMCCAIN 650.501.3876 1987-09-19 SH_CLERK 3200.00 0.00 123 50
195 Vance Jones VJONES 650.501.4876 1987-09-20 SH_CLERK 2800.00 0.00 123 50
196 Alana Walsh AWALSH 650.507.9811 1987-09-21 SH_CLERK 3100.00 0.00 124 50
197 Kevin Feeney KFEENEY 650.507.9822 1987-09-22 SH_CLERK 3000.00 0.00 124 50
198 Donald OConnell DOCONNEL 650.507.9833 1987-09-23 SH_CLERK 2600.00 0.00 124 50
199 Douglas Grant DGRANT 650.507.9844 1987-09-24 SH_CLERK 2600.00 0.00 124 50
200 Jennifer Whalen JWHALEN 515.123.4444 1987-09-25 AD_ASST 4400.00 0.00 101 10
201 Michael Hartstein MHARTSTE 515.123.5555 1987-09-26 MK_MAN 13000.00 0.00 100 20
202 Pat Fay PFAY 603.123.6666 1987-09-27 MK_REP 6000.00 0.00 201 20
0.00 201 20
204 Hermann Baer HBAER 515.123.8888 1987-09-29 PR_REP 10000.00 0.00 101 70
205 Shelley Higgins SHIGGINS 515.123.8080 1987-09-30 AC_MGR 12000.00 0.00 101 110
206 William Gietz WGIETZ 515.123.8181 1987-10-01 AC_ACCOUNT 8300.00 0.00 205 110

SELECT AVG(salary),count(*)

FROM employees



WHERE department_id = 90;

6. Write a query to get the highest, lowest, sum, and average salary of all employees.

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 1987-06-17 AD_PRES 24000.00 0.00 0 90
101 Neena Kochhar NKOCHHAR 515.123.4568 1987-06-18 AD_VP 17000.00 0.00 100 90
102 Lex De Haan LDEHAAN 515.123.4569 1987-06-19 AD_VP 17000.00 0.00 100 90
103 Alexander Hunold AHUNOLD 590.423.4567 1987-06-20 IT_PROG 9000.00 0.00 102 60
104 Bruce Ernst BERNST 590.423.4568 1987-06-21 IT_PROG 6000.00 0.00 103 60
105 David Austin DAUSTIN 590.423.4569 1987-06-22 IT_PROG 4800.00 0.00 103 60
106 Valli Pataballa VPATABAL 590.423.4560 1987-06-23 IT_PROG 4800.00 0.00 103 60
107 Diana Lorentz DLORENTZ 590.423.5567 1987-06-24 IT_PROG 4200.00 0.00 103 60
108 Nancy Greenberg NGREENBE 515.124.4569 1987-06-25 FI_MGR 12000.00 0.00 101 100
109 Daniel Faviet DFAVIET 515.124.4169 1987-06-26 FI_ACCOUNT 9000.00 0.00 108 100
110 John Chen JCHEN 515.124.4269 1987-06-27 FI_ACCOUNT 8200.00 0.00 108 100
111 Ismael Sciarra ISCIARRA 515.124.4369 1987-06-28 FI_ACCOUNT 7700.00 0.00 108 100
7700.00 0.00 108 100
113 Luis Popp LPOPP 515.124.4567 1987-06-30 FI_ACCOUNT 6900.00 0.00 108 100
114 Den Raphaely DRAPHEAL 515.127.4561 1987-07-01 PU_MAN 11000.00 0.00 100 30
115 Alexander Khoo AKHOO 515.127.4562 1987-07-02 PU_CLERK 3100.00 0.00 114 30
116 Shelli Baida SBAIDA 515.127.4563 1987-07-03 PU_CLERK 2900.00 0.00 114 30
117 Sigal Tobias STOBIAS 515.127.4564 1987-07-04 PU_CLERK 2800.00 0.00 114 30



118 Guy Himuro GHIMURO 515.127.4565 1987-07-05 PU_CLERK 2600.00 0.00 114 30
119 Karen Colmenares KCOLMENA 515.127.4566 1987-07-06 PU_CLERK 2500.00 0.00 114 30
120 Matthew Weiss MWEISS 650.123.1234 1987-07-07 ST_MAN 8000.00 0.00 100 50
121 Adam Fripp AFRIPP 650.123.2234 1987-07-08 ST_MAN 8200.00 0.00 100 50
122 Payam Kaufling PKAUFLIN 650.123.3234 1987-07-09 ST_MAN 7900.00 0.00 100 50
123 Shanta Vollman SVOLLMAN 650.123.4234 1987-07-10 ST_MAN 6500.00 0.00 100 50
124 Kevin Mourgos KMOURGOS 650.123.5234 1987-07-11 ST_MAN 5800.00 0.00 100 50
125 Julia Nayer JNAYER 650.124.1214 1987-07-12 ST_CLERK 3200.00 0.00 120 50
126 Irene
127 James Landry JLANDRY 650.124.1334 1987-07-14 ST_CLERK 2400.00 0.00 120 50
128 Steven Markle SMARKLE 650.124.1434 1987-07-15 ST_CLERK 2200.00 0.00 120 50
129 Laura Bissot LBISSOT 650.124.5234 1987-07-16 ST_CLERK 3300.00 0.00 121 50
130 Mozhe Atkinson MATKINSO 650.124.6234 1987-07-17 ST_CLERK 2800.00 0.00 121 50
131 James Marlow JAMRLOW 650.124.7234 1987-07-18 ST_CLERK 2500.00 0.00 121 50
132 TJ Olson TJOLSON 650.124.8234 1987-07-19 ST_CLERK 2100.00 0.00 121 50
133 Jason Mallin JMALLIN 650.127.1934 1987-07-20 ST_CLERK 3300.00 0.00 122 50
134 Michael Rogers MROGERS 650.127.1834 1987-07-21 ST_CLERK 2900.00 0.00 122 50
135 Ki Gee KGEE 650.127.1734 1987-07-22 ST_CLERK 2400.00 0.00 122 50
136 Hazel Philtanker HPHILTAN 650.127.1634 1987-07-23 ST_CLERK 2200.00 0.00 122 50
137 Renske Ladwig RLADWIG 650.121.1234 1987-07-24 ST_CLERK 3600.00 0.00 123 50
138 Stephen Stiles SSTILES 650.121.2034 1987-07-25 ST_CLERK 3200.00 0.00 123 50
139 John Seo JSEO 650.121.2019 1987-07-26 ST_CLERK 2700.00 0.00 123 50
140 Joshua Patel JPATEL 650.121.1834 1987-07-27 ST_CLERK 2500.00 0.00 123 50



142 Curtis Davies CDAVIES 650.121.2994 1987-07-29 ST_CLERK 100.00 124 50	
142 Curtis Davies CDAVIES 550.121.2994 1987-07-29 ST_CLERK	141 Trenna Rajs TRAJS 650.121.8009 1987-07-28 ST_CLERK 3500.00 0.00 124 50
143 Randall Matos 124 50 121,2874 1987-07-30 ST_CLERK 2600.00 0.00 124 50 144 Peter Vargas PVARGAS 650.121.2004 1987-07-31 ST_CLERK 50 145 John Russell JRUSSEL 011.44.1344.429268 1987-08-01 SA_MAN 14000.00 0.40 100 80 100 80 13500.00 0.30 100 80	142 Curtis Davies CDAVIES 650.121.2994 1987-07-29 ST_CLERK
144 Peter	143 Randall Matos RMATOS 650.121.2874 1987-07-30 ST CLERK
145 John	144 Peter Vargas PVARGAS 650.121.2004 1987-07-31 ST_CLERK
146 Karen Partners KPARTNER 011.44.1344.467268 1987-08-02 SA_MAN 13500.00 0.30 100 80	145 John Russell JRUSSEL 011.44.1344.429268 1987-08-01 SA_MAN
13500.00 0.30 100 80	
148	13500.00 0.30 100 80
148 Gerald	
149 Eleni	148 Gerald Cambrault GCAMBRAU 011.44.1344.619268 1987-08-04 SA_MAN
150 Peter Tucker PTUCKER 011.44.1344.129268 1987-08-06 SA_REP 10000.00 0.30 145 80	149 Eleni Zlotkey EZLOTKEY 011.44.1344.429018 1987-08-05 SA_MAN
151 David Bernstein DBERNSTE 011.44.1344.345268 1987-08-07 SA_REP 9500.00 0.25 145 80	
152 Peter	10000.00 0.30 145 80
153 Christopher Olsen COLSEN 011.44.1344.498718 1987-08-09 SA_REP 8000.00 0.20 145 80	
154 Nanette	
154 Nanette	
155 Oliver Tuvault OTUVAULT 011.44.1344.486508 1987-08-11 SA_REP 7000.00 0.15 145 80	154 Nanette Cambrault NCAMBRAU 011.44.1344.987668 1987-08-10 SA_REP
156 Janette	155 Oliver Tuvault OTUVAULT 011.44.1344.486508 1987-08-11 SA_REP
157 Patrick Sully PSULLY 011.44.1345.929268 1987-08-13 SA_REP 9500.00 0.35 146 80	156 Janette King JKING 011.44.1345.429268 1987-08-12 SA_REP
158 Allan	157 Patrick Sully PSULLY 011.44.1345.929268 1987-08-13 SA_REP
159 Lindsey Smith LSMITH 011.44.1345.729268 1987-08-15 SA_REP 8000.00 0.30 146 80	158 Allan McEwen AMCEWEN 011.44.1345.829268 1987-08-14 SA_REP
160 Louise Doran LDORAN 011.44.1345.629268 1987-08-16 SA_REP 7500.00 0.30 146 80	159 Lindsey Smith LSMITH 011.44.1345.729268 1987-08-15 SA_REP
161 Sarath Sewall SSEWALL 011.44.1345.529268 1987-08-17 SA_REP 7000.00 0.25 146 80	160 Louise Doran LDORAN 011.44.1345.629268 1987-08-16 SA_REP
162 Clara Vishney CVISHNEY 011.44.1346.129268 1987-08-18 SA_REP 10500.00 0.25 147 80 163 Danielle Greene DGREENE 011.44.1346.229268 1987-08-19 SA_REP	161 Sarath Sewall SSEWALL 011.44.1345.529268 1987-08-17 SA_REP
163 Danielle Greene DGREENE 011.44.1346.229268 1987-08-19 SA_REP	162 Clara Vishney CVISHNEY 011.44.1346.129268 1987-08-18 SA_REP
3500100 0125 177 001	



164 Mattea Marvins MMARVINS 011.44.1346.329268 1987-08-20 SA_REP 7200.00 0.10 147 80
165 David Lee
6800.00 0.10 147 80
166 Sundar Ande SANDE 011.44.1346.629268 1987-08-22 SA_REP 6400.00 0.10 147 80
167 Amit
6200.00 0.10 147 80
168 Lisa Ozer LOZER 011.44.1343.929268 1987-08-24 SA_REP
11500.00 0.25 148 80
169 Harrison Bloom HBLOOM 011.44.1343.829268 1987-08-25 SA_REP
10000.00 0.20 148 80
170 Tayler Fox TFOX 011.44.1343.729268 1987-08-26 SA_REP 9600.00 0.20 148 80
171 William Smith WSMITH 011.44.1343.629268 1987-08-27 SA_REP
7400.00 0.15 148 80
172 Elizabeth Bates EBATES 011.44.1343.529268 1987-08-28 SA_REP
7300.00 0.15 148 80
173 Sundita Kumar SKUMAR 011.44.1343.329268 1987-08-29 SA_REP
6100.00 0.10 148 80
11000.00 0.30 149 80
175 Alyssa Hutton AHUTTON 011.44.1644.429266 1987-08-31 SA_REP 8800.00 0.25 149 80
176 Jonathon Taylor JTAYLOR 011.44.1644.429265 1987-09-01 SA_REP 8600.00 0.20 149 80
177 Jack Livingston JLIVINGS 011.44.1644.429264 1987-09-02 SA_REP 8400.00 0.20 149 80
178 Kimberely Grant KGRANT 011.44.1644.429263 1987-09-03 SA_REP 7000.00 0.15 149 0
179 Charles Johnson CJOHNSON 011.44.1644.429262 1987-09-04 SA_REP
6200.00 0.10 149 80
180 Winston Taylor WTAYLOR 650.507.9876 1987-09-05 SH_CLERK 3200.00 0.00 120 50
181 Jean Fleaur JFLEAUR 650.507.9877 1987-09-06 SH_CLERK 3100.00 0.00 120 50
182 Martha Sullivan MSULLIVA 650.507.9878 1987-09-07 SH_CLERK 2500.00 0.00 120 50
183 Girard Geoni GGEONI 650.507.9879 1987-09-08 SH_CLERK 2800.00 0.00 120 50
184 Nandita Sarchand NSARCHAN 650.509.1876 1987-09-09 SH_CLERK 4200.00 0.00 121 50
185 Alexis Bull ABULL 650.509.2876 1987-09-10 SH_CLERK
4100.00 0.00 121 50 186 Julia Dellinger JDELLING 650.509.3876 1987-09-11 SH_CLERK 3400.00 0.00 121 50
[



187 Anthony Cabrio ACABRIO 650.509.4876 1987-09-12 SH_CLERK 3000.00 0.00 121 50
188 Kelly Chung KCHUNG 650.505.1876 1987-09-13 SH_CLERK 3800.00 0.00 122 50
189 Jennifer Dilly JDILLY 650.505.2876 1987-09-14 SH_CLERK 3600.00 0.00 122 50
190 Timothy Gates TGATES 650.505.3876 1987-09-15 SH_CLERK 2900.00 0.00 122 50
191 Randall Perkins RPERKINS 650.505.4876 1987-09-16 SH_CLERK 2500.00 0.00 122 50
192 Sarah Bell SBELL 650.501.1876 1987-09-17 SH_CLERK 4000.00 0.00 123 50
193 Britney Everett BEVERETT 650.501.2876 1987-09-18 SH_CLERK 3900.00 0.00 123 50
194 Samuel McCain SMCCAIN 650.501.3876 1987-09-19 SH_CLERK 3200.00 0.00 123 50
195 Vance Jones VJONES 650.501.4876 1987-09-20 SH_CLERK 2800.00 0.00 123 50
196 Alana Walsh AWALSH 650.507.9811 1987-09-21 SH_CLERK 3100.00 0.00 124 50
197 Kevin Feeney KFEENEY 650.507.9822 1987-09-22 SH_CLERK 3000.00 0.00 124 50
198 Donald OConnell DOCONNEL 650.507.9833 1987-09-23 SH_CLERK 2600.00 0.00 124 50
199 Douglas Grant DGRANT 650.507.9844 1987-09-24 SH_CLERK 2600.00 0.00 124 50
200 Jennifer Whalen JWHALEN 515.123.4444 1987-09-25 AD_ASST 4400.00 0.00 101 10
201 Michael Hartstein MHARTSTE 515.123.5555 1987-09-26 MK_MAN 13000.00 0.00 100 20
202 Pat Fay PFAY 603.123.6666 1987-09-27 MK_REP 6000.00 0.00 201 20
203 Susan Mavris SMAVRIS 515.123.7777 1987-09-28 HR_REP 6500.00 0.00 101 40
204 Hermann Baer HBAER 515.123.8888 1987-09-29 PR_REP 10000.00 0.00 101 70
205 Shelley Higgins SHIGGINS 515.123.8080 1987-09-30 AC_MGR 12000.00 0.00 101 110
206 William Gietz WGIETZ 515.123.8181 1987-10-01 AC_ACCOUNT 8300.00 0.00 205 110

SELECT ROUND(MAX(salary),0) 'Maximum',



```
ROUND(SUM(salary),0) 'Minimum',

ROUND(SUM(salary),0) 'Sum',

ROUND(AVG(salary),0) 'Average'

FROM employees;
```

7. Write a query to get the number of employees with the same job.

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 1987-06-17 AD_PRES 24000.00 0.00 0 90
101 Neena Kochhar NKOCHHAR 515.123.4568 1987-06-18 AD_VP 17000.00 0.00 100 90
102 Lex De Haan LDEHAAN 515.123.4569 1987-06-19 AD_VP 17000.00 0.00 100 90
103 Alexander Hunold AHUNOLD 590.423.4567 1987-06-20 IT_PROG 9000.00 0.00 102 60
104 Bruce Ernst BERNST 590.423.4568 1987-06-21 IT_PROG 6000.00 0.00 103 60
105 David Austin DAUSTIN 590.423.4569 1987-06-22 IT_PROG 4800.00 0.00 103 60
106 Valli Pataballa VPATABAL 590.423.4560 1987-06-23 IT_PROG 4800.00 0.00 103 60
107 Diana Lorentz DLORENTZ 590.423.5567 1987-06-24 IT_PROG 4200.00 0.00 103 60
108 Nancy Greenberg NGREENBE 515.124.4569 1987-06-25 FI_MGR 12000.00 0.00 101 100
109 Daniel Faviet DFAVIET 515.124.4169 1987-06-26 FI_ACCOUNT 9000.00 0.00 108 100
110 John Chen JCHEN 515.124.4269 1987-06-27 FI_ACCOUNT 8200.00 0.00 108 100
111 Ismael Sciarra ISCIARRA 515.124.4369 1987-06-28 FI_ACCOUNT 7700.00 0.00 108 100
112 Jose Manuel Urman JMURMAN 515.124.4469 1987-06-29 FI_ACCOUNT 7800.00 0.00 108 100
113 Luis Popp LPOPP 515.124.4567 1987-06-30 FI_ACCOUNT 6900.00 0.00 108 100
114 Den Raphaely DRAPHEAL 515.127.4561 1987-07-01 PU_MAN 11000.00 0.00 100 30



115 Alexander Khoo AKHOO 515.127.4562 1987-07-02 PU_CLERK 3100.00 0.00 114 30
116 Shelli Baida SBAIDA 515.127.4563 1987-07-03 PU_CLERK 2900.00 0.00 114 30
117 Sigal Tobias STOBIAS 515.127.4564 1987-07-04 PU_CLERK 2800.00 0.00 114 30
118 Guy Himuro GHIMURO 515.127.4565 1987-07-05 PU_CLERK 2600.00 0.00 114 30
119 Karen Colmenares KCOLMENA 515.127.4566 1987-07-06 PU_CLERK 2500.00 0.00 114 30
120 Matthew Weiss MWEISS 650.123.1234 1987-07-07 ST_MAN
8000.00 0.00 100 50
8200.00 0.00 100 50
7900.00 0.00 100 50
6500.00 0.00 100 50
5800.00 0.00 100 50 125 Julia Nayer JNAYER 650.124.1214 1987-07-12 ST_CLERK
3200.00 0.00 120 50 126 Irene Mikkilineni IMIKKILI 650.124.1224 1987-07-13 ST_CLERK
2700.00 0.00 120 50 127 James Landry JLANDRY 650.124.1334 1987-07-14 ST_CLERK
2400.00 0.00 120 50 128 Steven Markle SMARKLE 650.124.1434 1987-07-15 ST_CLERK
2200.00 0.00 120 50 129 Laura Bissot LBISSOT 650.124.5234 1987-07-16 ST_CLERK
125 Edula
2800.00 0.00 121 50
131 James Marlow JAMRLOW 650.124.7234 1987-07-18 ST_CLERK 2500.00 0.00 121 50
132 TJ Olson TJOLSON 650.124.8234 1987-07-19 ST_CLERK 2100.00 0.00 121 50
133 Jason Mallin JMALLIN 650.127.1934 1987-07-20 ST_CLERK 3300.00 0.00 122 50
134 Michael Rogers MROGERS 650.127.1834 1987-07-21 ST_CLERK 2900.00 0.00 122 50
135 Ki Gee KGEE 650.127.1734 1987-07-22 ST_CLERK 2400.00 0.00 122 50
136 Hazel Philtanker HPHILTAN 650.127.1634 1987-07-23 ST_CLERK 2200.00 0.00 122 50
137 Renske Ladwig RLADWIG 650.121.1234 1987-07-24 ST_CLERK 3600.00 0.00 123 50



138 Stephen Stiles SSTILES 650.121.2034 1987-07-25 ST_CLERK 3200.00 0.00 123 50
139 John Seo JSEO 650.121.2019 1987-07-26 ST_CLERK 2700.00 0.00 123 50
140 Joshua Patel JPATEL 650.121.1834 1987-07-27 ST_CLERK 2500.00 0.00 123 50
141 Trenna Rajs TRAJS 650.121.8009 1987-07-28 ST_CLERK
3500.00 0.00 124 50
3100.00 0.00 124 50 143 Randall
2600.00 0.00 124 50 144 Peter Vargas PVARGAS 650.121.2004 1987-07-31 ST_CLERK
2500.00 0.00 124 50
14000.00 0.40 100 80
13500.00 0.30 100 80
12000.00 0.30 100 80
148 Gerald Cambrault GCAMBRAU 011.44.1344.619268 1987-08-04 SA_MAN 11000.00 0.30 100 80
149 Eleni Zlotkey EZLOTKEY 011.44.1344.429018 1987-08-05 SA_MAN 10500.00 0.20 100 80
150 Peter Tucker PTUCKER 011.44.1344.129268 1987-08-06 SA_REP 10000.00 0.30 145 80
151 David Bernstein DBERNSTE 011.44.1344.345268 1987-08-07 SA_REP 9500.00 0.25 145 80
152 Peter Hall PHALL 011.44.1344.478968 1987-08-08 SA_REP 9000.00 0.25 145 80
153 Christopher Olsen COLSEN 011.44.1344.498718 1987-08-09 SA_REP 8000.00 0.20 145 80
154 Nanette Cambrault NCAMBRAU 011.44.1344.987668 1987-08-10 SA_REP 7500.00 0.20 145 80
155 Oliver Tuvault OTUVAULT 011.44.1344.486508 1987-08-11 SA_REP 7000.00 0.15 145 80
156 Janette King JKING 011.44.1345.429268 1987-08-12 SA_REP 10000.00 0.35 146 80
157 Patrick Sully PSULLY 011.44.1345.929268 1987-08-13 SA_REP 9500.00 0.35 146 80
158 Allan McEwen AMCEWEN 011.44.1345.829268 1987-08-14 SA_REP 9000.00 0.35 146 80
159 Lindsey Smith LSMITH 011.44.1345.729268 1987-08-15 SA_REP 8000.00 0.30 146 80
160 Louise Doran LDORAN 011.44.1345.629268 1987-08-16 SA_REP 7500.00 0.30 146 80



161 Sarath Sewall SSEWALL 011.44.1345.529268 1987-08-17 SA_REP 7000.00 0.25 146 80
162 Clara Vishney CVISHNEY 011.44.1346.129268 1987-08-18 SA_REP 10500.00 0.25 147 80
163 Danielle Greene DGREENE 011.44.1346.229268 1987-08-19 SA_REP 9500.00 0.15 147 80
164 Mattea Marvins MMARVINS 011.44.1346.329268 1987-08-20 SA_REP 7200.00 0.10 147 80
165 David Lee DLEE 011.44.1346.529268 1987-08-21 SA_REP 6800.00 0.10 147 80
166 Sundar Ande SANDE 011.44.1346.629268 1987-08-22 SA_REP 6400.00 0.10 147 80
167 Amit Banda ABANDA 011.44.1346.729268 1987-08-23 SA_REP 6200.00 0.10 147 80
168 Lisa Ozer LOZER 011.44.1343.929268 1987-08-24 SA_REP 11500.00 0.25 148 80
169 Harrison Bloom HBLOOM 011.44.1343.829268 1987-08-25 SA_REP 10000.00 0.20 148 80
170 Tayler Fox TFOX 011.44.1343.729268 1987-08-26 SA_REP 9600.00 0.20 148 80
171 William Smith WSMITH 011.44.1343.629268 1987-08-27 SA_REP 7400.00 0.15 148 80
172 Elizabeth Bates EBATES 011.44.1343.529268 1987-08-28 SA_REP 7300.00 0.15 148 80
173 Sundita Kumar SKUMAR 011.44.1343.329268 1987-08-29 SA_REP 6100.00 0.10 148 80
174 Ellen Abel EABEL 011.44.1644.429267 1987-08-30 SA_REP 11000.00 0.30 149 80
175 Alyssa Hutton AHUTTON 011.44.1644.429266 1987-08-31 SA_REP 8800.00 0.25 149 80
176 Jonathon Taylor JTAYLOR 011.44.1644.429265 1987-09-01 SA_REP 8600.00 0.20 149 80
177 Jack Livingston JLIVINGS 011.44.1644.429264 1987-09-02 SA_REP 8400.00 0.20 149 80
178 Kimberely Grant KGRANT 011.44.1644.429263 1987-09-03 SA_REP 7000.00 0.15 149 0
179 Charles Johnson CJOHNSON 011.44.1644.429262 1987-09-04 SA_REP 6200.00 0.10 149 80
180 Winston Taylor WTAYLOR 650.507.9876 1987-09-05 SH_CLERK 3200.00 0.00 120 50
181 Jean Fleaur JFLEAUR 650.507.9877 1987-09-06 SH_CLERK 3100.00 0.00 120 50
182 Martha Sullivan MSULLIVA 650.507.9878 1987-09-07 SH_CLERK 2500.00 0.00 120 50
183 Girard Geoni GGEONI 650.507.9879 1987-09-08 SH_CLERK 2800.00 0.00 120 50



104 N
184 Nandita Sarchand NSARCHAN 650.509.1876 1987-09-09 SH_CLERK 4200.00 0.00 121 50
185 Alexis Bull ABULL 650.509.2876 1987-09-10 SH_CLERK 4100.00 0.00 121 50
186 Julia Dellinger JDELLING 650.509.3876 1987-09-11 SH_CLERK
3400.00 0.00 121 50
187 Anthony Cabrio ACABRIO 650.509.4876 1987-09-12 SH_CLERK 3000.00 0.00 121 50
188 Kelly Chung KCHUNG 650.505.1876 1987-09-13 SH_CLERK
3800.00 0.00 122 50
189 Jennifer Dilly JDILLY 650.505.2876 1987-09-14 SH_CLERK
3600.00 0.00 122 50
190 Timothy Gates TGATES 650.505.3876 1987-09-15 SH_CLERK 2900.00 0.00 122 50
191 Randall Perkins RPERKINS 650.505.4876 1987-09-16 SH_CLERK
2500.00 0.00 122 50
192 Sarah Bell SBELL 650.501.1876 1987-09-17 SH_CLERK 4000.00 0.00 123 50
193 Britney Everett BEVERETT 650.501.2876 1987-09-18 SH_CLERK
3900.00 0.00 123 50
194 Samuel McCain SMCCAIN 650.501.3876 1987-09-19 SH_CLERK 3200.00 0.00 123 50
195 Vance Jones VJONES 650.501.4876 1987-09-20 SH_CLERK
2800.00 0.00 123 50
196 Alana Walsh AWALSH 650.507.9811 1987-09-21 SH_CLERK 3100.00 0.00 124 50
197 Kevin Feeney KFEENEY 650.507.9822 1987-09-22 SH_CLERK
3000.00 0.00 124 50 198 Donald OConnell DOCONNEL 650.507.9833 1987-09-23 SH_CLERK
2600.00 0.00 124 50
199 Douglas Grant DGRANT 650.507.9844 1987-09-24 SH_CLERK 2600.00 0.00 124 50
200 Jennifer Whalen JWHALEN 515.123.4444 1987-09-25 AD_ASST
4400.00 0.00 101 10
201 Michael Hartstein MHARTSTE 515.123.5555 1987-09-26 MK_MAN 13000.00 0.00 100 20
202 Pat
203 Susan Mavris SMAVRIS 515.123.7777 1987-09-28 HR_REP 6500.00 0.00 101 40
204 Hermann Baer HBAER 515.123.8888 1987-09-29 PR_REP 10000.00 0.00 101 70
205 Shelley Higgins SHIGGINS 515.123.8080 1987-09-30 AC_MGR 12000.00 0.00 101 110
206 William Gietz WGIETZ 515.123.8181 1987-10-01 AC_ACCOUNT 8300.00 0.00 205 110



SELECT job_id, COUNT(*)

FROM employees

GROUP BY job_id;

8. Write a query to get the difference between the highest and lowest salaries.

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 1987-06-17 AD_PRES 24000.00 0.00 0 90
101 Neena Kochhar NKOCHHAR 515.123.4568 1987-06-18 AD_VP 17000.00 0.00 100 90
102 Lex De Haan LDEHAAN 515.123.4569 1987-06-19 AD_VP 17000.00 0.00 100 90
103 Alexander Hunold AHUNOLD 590.423.4567 1987-06-20 IT_PROG 9000.00 0.00 102 60
104 Bruce Ernst BERNST 590.423.4568 1987-06-21 IT_PROG 6000.00 0.00 103 60
105 David Austin DAUSTIN 590.423.4569 1987-06-22 IT_PROG 4800.00 0.00 103 60
106 Valli Pataballa VPATABAL 590.423.4560 1987-06-23 IT_PROG 4800.00 0.00 103 60
107 Diana Lorentz DLORENTZ 590.423.5567 1987-06-24 IT_PROG 4200.00 0.00 103 60
108 Nancy Greenberg NGREENBE 515.124.4569 1987-06-25 FI_MGR 12000.00 0.00 101 100
109 Daniel Faviet DFAVIET 515.124.4169 1987-06-26 FI_ACCOUNT 9000.00 0.00 108 100
110 John Chen JCHEN 515.124.4269 1987-06-27 FI_ACCOUNT 8200.00 0.00 108 100
111 Ismael Sciarra ISCIARRA 515.124.4369 1987-06-28 FI_ACCOUNT 7700.00 0.00 108 100
112 Jose Manuel Urman JMURMAN 515.124.4469 1987-06-29 FI_ACCOUNT 7800.00 0.00 108 100
113 Luis Popp LPOPP 515.124.4567 1987-06-30 FI_ACCOUNT 6900.00 0.00 108 100



114 Den Raphaely DRAPHEAL 515.127.4561 1987-07-01 PU_MAN 11000.00 0.00 100 30
115 Alexander Khoo AKHOO 515.127.4562 1987-07-02 PU_CLERK 3100.00 0.00 114 30
116 Shelli Baida SBAIDA 515.127.4563 1987-07-03 PU_CLERK 2900.00 0.00 114 30
117 Sigal Tobias STOBIAS 515.127.4564 1987-07-04 PU_CLERK 2800.00 0.00 114 30
118 Guy Himuro GHIMURO 515.127.4565 1987-07-05 PU_CLERK 2600.00 0.00 114 30
119 Karen Colmenares KCOLMENA 515.127.4566 1987-07-06 PU_CLERK 2500.00 0.00 114 30
120 Matthew Weiss MWEISS 650.123.1234 1987-07-07 ST_MAN 8000.00 0.00 100 50
121 Adam Fripp AFRIPP 650.123.2234 1987-07-08 ST_MAN 8200.00 0.00 100 50
122 Payam Kaufling PKAUFLIN 650.123.3234 1987-07-09 ST_MAN 7900.00 0.00 100 50
123 Shanta Vollman SVOLLMAN 650.123.4234 1987-07-10 ST_MAN
6500.00 0.00 100 50
5800.00 0.00 100 50
3200.00 0.00 120 50
2700.00 0.00 120 50
2400.00 0.00 120 50
2200.00 0.00 120 50 129 Laura Bissot LBISSOT 650.124.5234 1987-07-16 ST_CLERK
3300.00 0.00 121 50
2800.00 0.00 121 50
2500.00 0.00 121 50
2100.00 0.00 121 50
3300.00 0.00 122 50
2900.00 0.00 122 50
0.00 122 50 136 Hazel Philtanker HPHILTAN 650.127.1634 1987-07-23 ST_CLERK
130 132e



137 Renske Ladwig RLADWIG 650.121.1234 1987-07-24 ST_CLERK 3600.00 0.00 123 50
138 Stephen Stiles SSTILES 650.121.2034 1987-07-25 ST_CLERK 3200.00 0.00 123 50
139 John Seo JSEO 650.121.2019 1987-07-26 ST_CLERK 2700.00 0.00 123 50
140 Joshua Patel JPATEL 650.121.1834 1987-07-27 ST_CLERK 2500.00 0.00 123 50
141 Trenna Rajs TRAJS 650.121.8009 1987-07-28 ST_CLERK 3500.00 0.00 124 50
142 Curtis Davies CDAVIES 650.121.2994 1987-07-29 ST_CLERK 3100.00 0.00 124 50
143 Randall Matos RMATOS 650.121.2874 1987-07-30 ST_CLERK 2600.00 0.00 124 50
144 Peter Vargas PVARGAS 650.121.2004 1987-07-31 ST_CLERK
2500.00 0.00 124 50
146 Karen Partners KPARTNER 011.44.1344.467268 1987-08-02 SA_MAN
13500.00 0.30 100 80
12000.00 0.30 100 80
11000.00 0.30 100 80
10500.00 0.20 100 80
10000.00 0.30 145 80
9500.00 0.25 145 80 152 Peter Hall PHALL 011.44.1344.478968 1987-08-08 SA_REP
9000.00 0.25 145 80 153 Christopher Olsen COLSEN 011.44.1344.498718 1987-08-09 SA_REP
8000.00 0.20 145 80
7500.00 0.20 145 80
155 Oliver Tuvault OTUVAULT 011.44.1344.486508 1987-08-11 SA_REP 7000.00 0.15 145 80
156 Janette King JKING 011.44.1345.429268 1987-08-12 SA_REP 10000.00 0.35 146 80
157 Patrick Sully PSULLY 011.44.1345.929268 1987-08-13 SA_REP 9500.00 0.35 146 80
158 Allan McEwen AMCEWEN 011.44.1345.829268 1987-08-14 SA_REP 9000.00 0.35 146 80
159 Lindsey Smith LSMITH 011.44.1345.729268 1987-08-15 SA_REP 8000.00 0.30 146 80



160 Louise Doran LDORAN 011.44.1345.629268 1987-08-16 SA_REP 7500.00 0.30 146 80
161 Sarath Sewall SSEWALL 011.44.1345.529268 1987-08-17 SA_REP 7000.00 0.25 146 80
162 Clara Vishney CVISHNEY 011.44.1346.129268 1987-08-18 SA_REP 10500.00 0.25 147 80
163 Danielle Greene DGREENE 011.44.1346.229268 1987-08-19 SA_REP 9500.00 0.15 147 80
164 Mattea Marvins MMARVINS 011.44.1346.329268 1987-08-20 SA_REP 7200.00 0.10 147 80
165 David Lee DLEE 011.44.1346.529268 1987-08-21 SA_REP
6800.00 0.10 147 80
6400.00 0.10 147 80
6200.00 0.10 147 80
11500.00 0.25 148 80
10000.00 0.20 148 80
9600.00 0.20 148 80
7400.00 0.15 148 80
7300.00 0.15 148 80
6100.00 0.10 148 80
11000.00 0.30 149 80
8800.00 0.25 149 80 176 Jonathon Taylor JTAYLOR 011.44.1644.429265 1987-09-01 SA_REP
8600.00 0.20 149 80
8400.00 0.20 149 80
176 Kimberey Grant KGKANT 011.44.1044.429203 1987-09-03 SA_KEF
6200.00 0.10 149 80
180 Winston Taylor WTAYLOR 650.507.9876 1987-09-05 SH_CLERK 3200.00 0.00 120 50
181 Jean Fleaur JFLEAUR 650.507.9877 1987-09-06 SH_CLERK 3100.00 0.00 120 50
182 Martha Sullivan MSULLIVA 650.507.9878 1987-09-07 SH_CLERK 2500.00 0.00 120 50



184 Nandita Sarchand NSARCHAN 650.509.1876 1987-09-09 SH_CLERK 4200.00 0.00 121 50 185 Alexis Bull ABULL 650.509.2876 1987-09-10 SH_CLERK 4100.00 0.00 121 50 186 Julia Dellinger JDELLING 650.509.3876 1987-09-11 SH_CLERK 3400.00 0.00 121 50 187 Anthony Cabrio ACABRIO 650.509.4876 1987-09-12 SH_CLERK 3000.00 0.00 121 50 188 Kelly Chung KCHUNG 650.509.1876 1987-09-13 SH_CLERK 3600.00 0.00 122 50 189 Jennifer Dilly JDILLY 650.505.2876 1987-09-13 SH_CLERK 3600.00 0.00 122 50 1987-09-14 SH_CLERK 3600.00 0.00 122 50 1987-09-15 SH_CLERK 3600.00 0.00 122 50 1987-09-15 SH_CLERK 3600.00 0.00 122 50 1987-09-16 SH_CLERK 3600.00 0.00 122 50 1987-09-16 SH_CLERK 3600.00 0.00 122 50 1987-09-17 SH_CLERK 3600.00 0.00 122 50 3600.00 0.00 122 3600.00	
184 Nandita Sarchand NSARCHAN 650.509.1876 1987-09-09 SH_CLERK 4200.00 0.00 121 50 185 Alexis Bull ABULL 650.509.2876 1987-09-10 SH_CLERK 4100.00 0.00 121 50	183 Girard Geoni GGEONI 650.507.9879 1987-09-08 SH_CLERK 2800.00 0.00 120 50
185 Alexis Bull ABULL 650.509.2876 1987-09-10 SH_CLERK 4100.00 0.00 121 50 186 Julia Dellinger JDELLING 650.509.3876 1987-09-11 SH_CLERK 3400.00 0.00 121 50 187 Anthony Cabrio ACABRIO 650.509.4876 1987-09-12 SH_CLERK 3000.00 0.00 121 50 188 Kelly Chung KCHUNG 650.505.1876 1987-09-13 SH_CLERK 3600.00 0.00 122 50 1987-09-14 SH_CLERK 3600.00 0.00 122 50 1987-09-14 SH_CLERK 3600.00 0.00 122 50 1987-09-15 SH_CLERK 3600.00 0.00 122 50 1987-09-15 SH_CLERK 3600.00 0.00 122 50 1987-09-16 SH_CLERK 3600.00 0.00 122 50 1987-09-16 SH_CLERK 3600.00 0.00 122 50 1987-09-16 SH_CLERK 3600.00 0.00 122 50 3600.00	184 Nandita Sarchand NSARCHAN 650.509.1876 1987-09-09 SH_CLERK
186 Julia Dellinger JDELLING 650.509.3876 1987-09-11 SH_CLERK 3400.00 0.00 121 50	
186 Julia Dellinger JDELLING 650.509.3876 1987-09-11 SH_CLERK 3400.00 0.00 121 50	
340.00 0.00 121 50 187 Anthony Cabrio ACABRIO 650.509.4876 1987-09-12 SH_CLERK 3000.00 0.00 121 50 188 Kelly Chung KCHUNG 650.505.1876 1987-09-13 SH_CLERK 3800.00 0.00 122 50	
187 Anthony Cabrio ACABRIO 650.509.4876 1987-09-12 SH_CLERK 3000.00 0.00 121 50	3400.00 0.00 121 50
188 Kelly Chung KCHUNG 650.505.1876 1987-09-13 SH_CLERK 3800.00 0.00 122 50 189 Jennifer Dilly JDILLY 650.505.2876 1987-09-14 SH_CLERK 3600.00 0.00 122 50 1997-09-14 SH_CLERK 3600.00 0.00 122 50 1997-09-15 SH_CLERK 3600.00 0.00 122 50 1997-09-15 SH_CLERK 3600.00 0.00 122 50 1997-09-16 SH_CLERK 3600.00 0.00 122 50 1997-09-16 SH_CLERK 3600.00 0.00 122 50 1997-09-16 SH_CLERK 3600.00 0.00 122 50 1987-09-17 SH_CLERK 3600.00 0.00 123 50 1987-09-17 SH_CLERK 3600.00 0.00 123 50 1987-09-18 SH_CLERK 3600.00 0.00 123 50 1987-09-18 SH_CLERK 3600.00 0.00 123 50 1987-09-19 SH_CLERK 3600.00 0.00 124 50 1987-09-21 SH_CLERK 3600.00 0.00 124 50 1987-09-22 SH_CLERK 3600.00 0.00 124 50 1987-09-22 SH_CLERK 3600.00 0.00 124 50 1987-09-22 SH_CLERK 3600.00 0.00 124 50 1987-09-23 SH_CLERK 3600.00 0.00 124 50 1987-09-23 SH_CLERK 3600.00 0.00 124 50 1987-09-24 SH_CLERK 3600.00 0.00 124 50 1987-09-25 AD_ASST 3600.00 0.00 124 50 1987-09-25 AD_ASST 3600.00 0.00 101 10 10 10 10	187 Anthony Cabrio ACABRIO 650.509.4876 1987-09-12 SH CLERK
188 Kelly	
189 Jennifer Dilly JDILLY 650.505.2876 1987-09-14 SH_CLERK 3600.00 0.00 122 50 190 Timothy Gates TGATES 650.505.3876 1987-09-15 SH_CLERK 2900.00 0.00 122 50 191 Randall Perkins RPERKINS 650.505.4876 1987-09-16 SH_CLERK 2500.00 0.00 122 50 192 Sarah Bell SBELL 650.501.1876 1987-09-17 SH_CLERK 4000.00 0.00 123 50 193 Britney Everett BEVERETT 650.501.2876 1987-09-18 SH_CLERK 3900.00 0.00 123 50 194 Samuel McCain SMCCAIN 650.501.3876 1987-09-19 SH_CLERK 3200.00 0.00 123 50 195 Vance Jones VJONES 650.501.4876 1987-09-20 SH_CLERK 3100.00 0.00 124 50 197 Kevin Feeney KFEENEY 650.507.9822 1987-09-22 SH_CLERK 3000.00 0.00 124 50 198 Donald OConnell DOCONNEL 650.507.9833 1987-09-23 SH_CLERK 2600.00 0.00 124 50 199 Douglas Grant DOCONNEL 650.507.9844 1987-09-25 AD_ASST 4400.00 0.00 101 10 10 10 10 10	
190 Timothy Gates TGATES 650.505.3876 1987-09-15 SH_CLERK 2900.00 0.00 122 50 191 Randall Perkins RPERKINS 650.505.4876 1987-09-16 SH_CLERK 2500.00 0.00 122 50 192 Sarah Bell SBELL 650.501.1876 1987-09-17 SH_CLERK 4000.00 0.00 123 50 193 Britney Everett BEVERETT 650.501.2876 1987-09-18 SH_CLERK 3900.00 0.00 123 50 194 Samuel McCain SMCCAIN 650.501.3876 1987-09-19 SH_CLERK 3200.00 0.00 123 50 195 Vance Jones Jones Jones Suncol 196 Alana Walsh AWALSH 650.507.9811 1987-09-21 SH_CLERK 3100.00 0.00 124 50 198 Donald O.00 124 50 198 Donald OConnell DOCONNEL 650.507.9833 1987-09-23 SH_CLERK 2600.00 0.00 124 50 199 Douglas Grant DGRANT 650.507.9844 1987-09-24 SH_CLERK 2600.00 0.00 124 50 199 Douglas Grant DGRANT 650.507.9844 1987-09-25 AD_ASST 4400.00 0.00 100 20 100 20 120 SUSAN MARYIS 515.123.7777 1987-09-26 MK_MAN 13000.00 0.00 100 20 120 20 120 SUSAN MARYIS 515.123.7777 1987-09-28 HR_REP 6500.00 0.00 101 40	3800.00 0.00 122 50
190 Timothy Gates TGATES 650.505.3876 1987-09-15 SH_CLERK 2900.00 0.00 122 50 191 Randall Perkins RPERKINS 650.505.4876 1987-09-16 SH_CLERK 2500.00 0.00 122 50 192 Sarah Bell SBELL 650.501.1876 1987-09-17 SH_CLERK 4000.00 0.00 123 50 193 Britney Everett BEVERETT 650.501.2876 1987-09-18 SH_CLERK 3900.00 0.00 123 50 194 Samuel McCain SMCCAIN 650.501.3876 1987-09-19 SH_CLERK 3200.00 0.00 123 50 195 Vance Jones Jon	189 Jennifer Dilly JDILLY 650.505.2876 1987-09-14 SH_CLERK
190 Timothy Gates TGATES 650.505.3876 1987-09-15 SH_CLERK 2900.00 0.00 122 50	3600.00 0.00 122 50
191 Randall Perkins RPERKINS 650.505.4876 1987-09-16 SH_CLERK 2500.00 0.00 122 50 192 Sarah Bell SBELL 650.501.1876 1987-09-17 SH_CLERK 4000.00 0.00 123 50 193 Britney Everett BEVERETT 650.501.2876 1987-09-18 SH_CLERK 3900.00 0.00 123 50 194 Samuel McCain SMCCAIN 650.501.3876 1987-09-19 SH_CLERK 3200.00 0.00 123 50 195 Vance Jones VJONES 650.501.4876 1987-09-20 SH_CLERK 2800.00 0.00 124 50 197 Kevin Feeney KFEENEY 650.507.9811 1987-09-22 SH_CLERK 3000.00 0.00 124 50 198 Donald OConnell DOCONNEL 650.507.9833 1987-09-23 SH_CLERK 2600.00 0.00 124 50 199 Douglas Grant DGRANT 650.507.9844 1987-09-24 SH_CLERK 2600.00 0.00 124 50 190 Douglas Grant DGRANT 650.507.9844 1987-09-25 AD_ASST 4400.00 0.00 101 10 10 10 10 10 10	190 Timothy Gates TGATES 650.505.3876 1987-09-15 SH_CLERK
191 Randall Perkins RPERKINS 650.505.4876 1987-09-16 SH_CLERK 2500.00 0.00 122 50	2900.00 0.00 122 50
192 Sarah	191 Randall Perkins RPERKINS 650.505.4876 1987-09-16 SH_CLERK
193 Britney Everett BEVERETT 650.501.2876 1987-09-18 SH_CLERK 3900.00 0.00 123 50 194 Samuel McCain SMCCAIN 650.501.3876 1987-09-19 SH_CLERK 3200.00 0.00 123 50 195 Vance Jones VJONES 650.501.4876 1987-09-20 SH_CLERK 3100.00 0.00 124 50 197 Kevin Feeney KFEENEY 650.507.9811 1987-09-22 SH_CLERK 3000.00 0.00 124 50 198 Donald OConnell DOCONNEL 650.507.9833 1987-09-23 SH_CLERK 2600.00 0.00 124 50 199 Douglas Grant DGRANT 650.507.9844 1987-09-24 SH_CLERK 2600.00 0.00 124 50 199 Douglas Grant DGRANT 650.507.9844 1987-09-24 SH_CLERK 2600.00 0.00 121 50 199 Douglas Grant DGRANT 650.507.9844 1987-09-25 AD_ASST 4400.00 0.00 101 10 10 10 10 10 10 10 10 10	
193 Britney Everett BEVERETT 650.501.2876 1987-09-18 SH_CLERK 3900.00 0.00 123 50 194 Samuel McCain SMCCAIN 650.501.3876 1987-09-19 SH_CLERK 3200.00 0.00 123 50 195 Vance Jones VJONES 650.501.4876 1987-09-20 SH_CLERK 2800.00 0.00 123 50 196 Alana Walsh AWALSH 650.507.9811 1987-09-21 SH_CLERK 3100.00 0.00 124 50 197 Kevin Feeney KFEENEY 650.507.9822 1987-09-22 SH_CLERK 3000.00 0.00 124 50 198 Donald OConnell DOCONNEL 650.507.9833 1987-09-23 SH_CLERK 2600.00 0.00 124 50 199 Douglas Grant DGRANT 650.507.9844 1987-09-24 SH_CLERK 2600.00 0.00 124 50 199 Douglas Grant DGRANT 650.507.9844 1987-09-25 AD_ASST 4400.00 0.00 101 10 10 10 10 100 20 201 Michael Hartstein MHARTSTE 515.123.5555 1987-09-26 MK_MAN 13000.00 0.00 100 20 20 20 20 20 20	192 Sarah Bell SBELL 650.501.1876 1987-09-17 SH_CLERK
194 Samuel	
194 Samuel McCain SMCCAIN 650.501.3876 1987-09-19 SH_CLERK 3200.00 0.00 123 50 195 Vance Jones VJONES 650.501.4876 1987-09-20 SH_CLERK 2800.00 0.00 123 50 1987-09-20 SH_CLERK 2800.00 0.00 124 50 1987-09-21 SH_CLERK 3100.00 0.00 124 50 1987-09-22 SH_CLERK 3000.00 0.00 124 50 1987-09-22 SH_CLERK 3000.00 0.00 124 50 1987-09-23 SH_CLERK 3000.00 0.00 124 50 1988 Donald OConnell DOCONNEL 650.507.9833 1987-09-23 SH_CLERK 2600.00 0.00 124 50 1999 Douglas Grant DGRANT 650.507.9844 1987-09-24 SH_CLERK 2600.00 0.00 124 50 200 Jennifer Whalen JWHALEN 515.123.4444 1987-09-25 AD_ASST 4400.00 0.00 101 10 10 201 Michael Hartstein MHARTSTE 515.123.5555 1987-09-26 MK_MAN 13000.00 0.00 100 20 201 20 203 Susan Mavris SMAVRIS 515.123.7777 1987-09-28 HR_REP 6500.00 0.00 101 40	
195 Vance Jones VJONES 650.501.4876 1987-09-20 SH_CLERK 2800.00 0.00 123 50 196 Alana Walsh AWALSH 650.507.9811 1987-09-21 SH_CLERK 3100.00 0.00 124 50 197 Kevin Feeney KFEENEY 650.507.9822 1987-09-22 SH_CLERK 3000.00 0.00 124 50 198 Donald OConnell DOCONNEL 650.507.9833 1987-09-23 SH_CLERK 2600.00 0.00 124 50 199 Douglas Grant DGRANT 650.507.9844 1987-09-24 SH_CLERK 2600.00 0.00 124 50 199 Douglas Grant DGRANT 650.507.9844 1987-09-24 SH_CLERK 2600.00 0.00 124 50 1987-09-25 AD_ASST 4400.00 0.00 101 10 10 10 10	3900.00 0.00 123 50
195 Vance	
196 Alana	
196 Alana	
197 Kevin Feeney KFEENEY 650.507.9822 1987-09-22 SH_CLERK 3000.00 0.00 124 50 198 Donald OConnell DOCONNEL 650.507.9833 1987-09-23 SH_CLERK 2600.00 0.00 124 50 199 Douglas Grant DGRANT 650.507.9844 1987-09-24 SH_CLERK 2600.00 0.00 124 50 200 Jennifer Whalen JWHALEN 515.123.4444 1987-09-25 AD_ASST 4400.00 0.00 101 10 10	196 Alana Walsh AWALSH 650.507.9811 1987-09-21 SH_CLERK
197 Kevin	3100.00 0.00 124 50
198 Donald OConnell DOCONNEL 650.507.9833 1987-09-23 SH_CLERK 2600.00 0.00 124 50 199 Douglas Grant DGRANT 650.507.9844 1987-09-24 SH_CLERK 2600.00 0.00 124 50 200 Jennifer Whalen JWHALEN 515.123.4444 1987-09-25 AD_ASST 4400.00 0.00 101 10 10 201 Michael Hartstein MHARTSTE 515.123.5555 1987-09-26 MK_MAN 13000.00 0.00 100 20 202 Pat	
198 Donald	3000.00 0.00 124 50
199 Douglas Grant DGRANT 650.507.9844 1987-09-24 SH_CLERK 2600.00 0.00 124 50	198 Donald OConnell DOCONNEL 650.507.9833 1987-09-23 SH_CLERK
199 Douglas Grant DGRANT 650.507.9844 1987-09-24 SH_CLERK 2600.00 0.00 124 50	2600.00 0.00 124 50
200 Jennifer Whalen JWHALEN 515.123.4444 1987-09-25 AD_ASST 4400.00 0.00 101 10	199 Douglas Grant DGRANT 650.507.9844 1987-09-24 SH_CLERK
4400.00 0.00 101 10	2600.00 0.00 124 50
201 Michael Hartstein MHARTSTE 515.123.5555 1987-09-26 MK_MAN 13000.00 0.00 100 20	200 Jennifer Whalen JWHALEN 515.123.4444 1987-09-25 AD_ASST
13000.00 0.00 100 20 202 Pat Fay PFAY 603.123.6666 1987-09-27 MK_REP 6000.00 0.00 201 20 203 Susan Mavris SMAVRIS 515.123.7777 1987-09-28 HR_REP 6500.00 0.00 101 40	4400.00 0.00 101 10
202 Pat Fay PFAY 603.123.6666 1987-09-27 MK_REP 6000.00 0.00 201 20 203 Susan Mavris SMAVRIS 515.123.7777 1987-09-28 HR_REP 6500.00 0.00 101 40	
0.00 201 20 203 Susan Mavris SMAVRIS 515.123.7777 1987-09-28 HR_REP 6500.00 0.00 101 40	
203 Susan Mavris SMAVRIS 515.123.7777 1987-09-28 HR_REP 6500.00 0.00 101 40	
6500.00 0.00 101 40	
204111	
204 Hermann	204 Hermann Baer HBAER 515.123.8888 1987-09-29 PR_REP
205 Shelley Higgins SHIGGINS 515.123.8080 1987-09-30 AC_MGR	



206	William	Gietz	WGIETZ	515.123.8181	1987-10-01 AC_ACCOUNT
8300.00	0.00	205	110		

Code:

SELECT MAX(salary) - MIN(salary) DIFFERENCE FROM employees;

9. Write a query to find the manager ID and the salary of the lowest-paid employee for that manager.

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 1987-06-17 AD_PRES 24000.00 0.00 0 90
101 Neena Kochhar NKOCHHAR 515.123.4568 1987-06-18 AD_VP 17000.00 0.00 100 90
102 Lex De Haan LDEHAAN 515.123.4569 1987-06-19 AD_VP 17000.00 0.00 100 90
103 Alexander Hunold AHUNOLD 590.423.4567 1987-06-20 IT_PROG 9000.00 0.00 102 60
104 Bruce Ernst BERNST 590.423.4568 1987-06-21 IT_PROG 6000.00 0.00 103 60
105 David Austin DAUSTIN 590.423.4569 1987-06-22 IT_PROG 4800.00 0.00 103 60
106 Valli Pataballa VPATABAL 590.423.4560 1987-06-23 IT_PROG 4800.00 0.00 103 60
107 Diana Lorentz DLORENTZ 590.423.5567 1987-06-24 IT_PROG 4200.00 0.00 103 60
108 Nancy Greenberg NGREENBE 515.124.4569 1987-06-25 FI_MGR 12000.00 0.00 101 100
109 Daniel Faviet DFAVIET 515.124.4169 1987-06-26 FI_ACCOUNT 9000.00 0.00 108 100
110 John Chen JCHEN 515.124.4269 1987-06-27 FI_ACCOUNT 8200.00 0.00 108 100
111 Ismael Sciarra ISCIARRA 515.124.4369 1987-06-28 FI_ACCOUNT 7700.00 0.00 108 100
112 Jose Manuel Urman JMURMAN 515.124.4469 1987-06-29 FI_ACCOUNT 7800.00 0.00 108 100
113 Luis Popp LPOPP 515.124.4567 1987-06-30 FI_ACCOUNT 6900.00 0.00 108 100



114 Den Raphaely DRAPHEAL 515.127.4561 1987-07-01 PU_MAN 11000.00 0.00 100 30
115 Alexander Khoo AKHOO 515.127.4562 1987-07-02 PU_CLERK 3100.00 0.00 114 30
116 Shelli Baida SBAIDA 515.127.4563 1987-07-03 PU_CLERK 2900.00 0.00 114 30
117 Sigal Tobias STOBIAS 515.127.4564 1987-07-04 PU_CLERK 2800.00 0.00 114 30
118 Guy Himuro GHIMURO 515.127.4565 1987-07-05 PU_CLERK 2600.00 0.00 114 30
119 Karen Colmenares KCOLMENA 515.127.4566 1987-07-06 PU_CLERK 2500.00 0.00 114 30
120 Matthew Weiss MWEISS 650.123.1234 1987-07-07 ST_MAN 8000.00 0.00 100 50
121 Adam Fripp AFRIPP 650.123.2234 1987-07-08 ST_MAN 8200.00 0.00 100 50
122 Payam Kaufling PKAUFLIN 650.123.3234 1987-07-09 ST_MAN 7900.00 0.00 100 50
123 Shanta Vollman SVOLLMAN 650.123.4234 1987-07-10 ST_MAN 6500.00 0.00 100 50
124 Kevin Mourgos KMOURGOS 650.123.5234 1987-07-11 ST_MAN 5800.00 0.00 100 50
125 Julia Nayer JNAYER 650.124.1214 1987-07-12 ST_CLERK 3200.00 0.00 120 50
126 Irene Mikkilineni IMIKKILI 650.124.1224 1987-07-13 ST_CLERK 2700.00 0.00 120 50
127 James Landry JLANDRY 650.124.1334 1987-07-14 ST_CLERK 2400.00 0.00 120 50
128 Steven Markle SMARKLE 650.124.1434 1987-07-15 ST_CLERK 2200.00 0.00 120 50
129 Laura Bissot LBISSOT 650.124.5234 1987-07-16 ST_CLERK 3300.00 0.00 121 50
130 Mozhe Atkinson MATKINSO 650.124.6234 1987-07-17 ST_CLERK 2800.00 0.00 121 50
131 James Marlow JAMRLOW 650.124.7234 1987-07-18 ST_CLERK 2500.00 0.00 121 50
132 TJ Olson TJOLSON 650.124.8234 1987-07-19 ST_CLERK 2100.00 0.00 121 50
133 Jason Mallin JMALLIN 650.127.1934 1987-07-20 ST_CLERK 3300.00 0.00 122 50
134 Michael Rogers MROGERS 650.127.1834 1987-07-21 ST_CLERK 2900.00 0.00 122 50
135 Ki Gee KGEE 650.127.1734 1987-07-22 ST_CLERK 2400.00 0.00 122 50
136 Hazel Philtanker HPHILTAN 650.127.1634 1987-07-23 ST_CLERK 2200.00 0.00 122 50



137 Renske Ladwig RLADWIG 650.121.1234 1987-07-24 ST_CLERK 3600.00 0.00 123 50
138 Stephen Stiles SSTILES 650.121.2034 1987-07-25 ST_CLERK 3200.00 0.00 123 50
139 John Seo JSEO 650.121.2019 1987-07-26 ST_CLERK 2700.00 0.00 123 50
140 Joshua Patel JPATEL 650.121.1834 1987-07-27 ST_CLERK 2500.00 0.00 123 50
141 Trenna Rajs TRAJS 650.121.8009 1987-07-28 ST_CLERK 3500.00 0.00 124 50
142 Curtis Davies CDAVIES 650.121.2994 1987-07-29 ST_CLERK 3100.00 0.00 124 50
143 Randall Matos RMATOS 650.121.2874 1987-07-30 ST_CLERK 2600.00 0.00 124 50
144 Peter Vargas PVARGAS 650.121.2004 1987-07-31 ST_CLERK 2500.00 0.00 124 50
145 John Russell JRUSSEL 011.44.1344.429268 1987-08-01 SA_MAN 14000.00 0.40 100 80
146 Karen Partners KPARTNER 011.44.1344.467268 1987-08-02 SA_MAN 13500.00 0.30 100 80
147 Alberto Errazuriz AERRAZUR 011.44.1344.429278 1987-08-03 SA_MAN 12000.00 0.30 100 80
148 Gerald Cambrault GCAMBRAU 011.44.1344.619268 1987-08-04 SA_MAN 11000.00 0.30 100 80
149 Eleni Zlotkey EZLOTKEY 011.44.1344.429018 1987-08-05 SA_MAN 10500.00 0.20 100 80
150 Peter Tucker PTUCKER 011.44.1344.129268 1987-08-06 SA_REP 10000.00 0.30 145 80
151 David Bernstein DBERNSTE 011.44.1344.345268 1987-08-07 SA_REP 9500.00 0.25 145 80
152 Peter Hall PHALL 011.44.1344.478968 1987-08-08 SA_REP 9000.00 0.25 145 80
153 Christopher Olsen COLSEN 011.44.1344.498718 1987-08-09 SA_REP 8000.00 0.20 145 80
154 Nanette Cambrault NCAMBRAU 011.44.1344.987668 1987-08-10 SA_REP 7500.00 0.20 145 80
155 Oliver Tuvault OTUVAULT 011.44.1344.486508 1987-08-11 SA_REP 7000.00 0.15 145 80
156 Janette King JKING 011.44.1345.429268 1987-08-12 SA_REP 10000.00 0.35 146 80
157 Patrick Sully PSULLY 011.44.1345.929268 1987-08-13 SA_REP 9500.00 0.35 146 80
158 Allan McEwen AMCEWEN 011.44.1345.829268 1987-08-14 SA_REP 9000.00 0.35 146 80
159 Lindsey Smith LSMITH 011.44.1345.729268 1987-08-15 SA_REP 8000.00 0.30 146 80



160 Louise Doran LDORAN 011.44.1345.629268 1987-08-16 SA_REP 7500.00 0.30 146 80
161 Sarath Sewall SSEWALL 011.44.1345.529268 1987-08-17 SA_REP 7000.00 0.25 146 80
162 Clara Vishney CVISHNEY 011.44.1346.129268 1987-08-18 SA_REP 10500.00 0.25 147 80
163 Danielle Greene DGREENE 011.44.1346.229268 1987-08-19 SA_REP 9500.00 0.15 147 80
164 Mattea Marvins MMARVINS 011.44.1346.329268 1987-08-20 SA_REP 7200.00 0.10 147 80
165 David Lee
166 Sundar Ande SANDE 011.44.1346.629268 1987-08-22 SA_REP 6400.00 0.10 147 80
167 Amit
168 Lisa Ozer LOZER 011.44.1343.929268 1987-08-24 SA_REP 11500.00 0.25 148 80
169 Harrison Bloom HBLOOM 011.44.1343.829268 1987-08-25 SA_REP 10000.00 0.20 148 80
170 Tayler Fox TFOX 011.44.1343.729268 1987-08-26 SA_REP 9600.00 0.20 148 80
171 William Smith WSMITH 011.44.1343.629268 1987-08-27 SA_REP 7400.00 0.15 148 80
172 Elizabeth Bates EBATES 011.44.1343.529268 1987-08-28 SA_REP 7300.00 0.15 148 80
173 Sundita Kumar SKUMAR 011.44.1343.329268 1987-08-29 SA_REP 6100.00 0.10 148 80
174 Ellen Abel EABEL 011.44.1644.429267 1987-08-30 SA_REP 11000.00 0.30 149 80
175 Alyssa Hutton AHUTTON 011.44.1644.429266 1987-08-31 SA_REP 8800.00 0.25 149 80
176 Jonathon Taylor JTAYLOR 011.44.1644.429265 1987-09-01 SA_REP 8600.00 0.20 149 80
177 Jack Livingston JLIVINGS 011.44.1644.429264 1987-09-02 SA_REP 8400.00 0.20 149 80
178 Kimberely Grant KGRANT 011.44.1644.429263 1987-09-03 SA_REP 7000.00 0.15 149 0
179 Charles Johnson CJOHNSON 011.44.1644.429262 1987-09-04 SA_REP 6200.00 0.10 149 80
180 Winston Taylor WTAYLOR 650.507.9876 1987-09-05 SH_CLERK 3200.00 0.00 120 50
181 Jean Fleaur JFLEAUR 650.507.9877 1987-09-06 SH_CLERK 3100.00 0.00 120 50
182 Martha Sullivan MSULLIVA 650.507.9878 1987-09-07 SH_CLERK 2500.00 0.00 120 50



183 Girard Geoni GGEONI 650.507.9879 1987-09-08 SH_CLERK 2800.00 0.00 120 50
184 Nandita Sarchand NSARCHAN 650.509.1876 1987-09-09 SH_CLERK
4200.00 0.00 121 50
185 Alexis Bull ABULL 650.509.2876 1987-09-10 SH_CLERK 4100.00 0.00 121 50
186 Julia Dellinger JDELLING 650.509.3876 1987-09-11 SH_CLERK
3400.00 0.00 121 50
187 Anthony Cabrio ACABRIO 650.509.4876 1987-09-12 SH_CLERK
3000.00 0.00 121 50
188 Kelly Chung KCHUNG 650.505.1876 1987-09-13 SH_CLERK
3800.00 0.00 122 50
189 Jennifer Dilly JDILLY 650.505.2876 1987-09-14 SH_CLERK 3600.00 0.00 122 50
190 Timothy Gates TGATES 650.505.3876 1987-09-15 SH_CLERK
2900.00 0.00 122 50
191 Randall Perkins RPERKINS 650.505.4876 1987-09-16 SH_CLERK
2500.00 0.00 122 50
192 Sarah Bell SBELL 650.501.1876 1987-09-17 SH_CLERK
4000.00 0.00 123 50
193 Britney Everett BEVERETT 650.501.2876 1987-09-18 SH_CLERK
3900.00 0.00 123 50 194 Samuel McCain SMCCAIN 650.501.3876 1987-09-19 SH_CLERK
3200.00 0.00 123 50
195 Vance Jones VJONES 650.501.4876 1987-09-20 SH_CLERK
2800.00 0.00 123 50
196 Alana Walsh AWALSH 650.507.9811 1987-09-21 SH_CLERK 3100.00 0.00 124 50
197 Kevin Feeney KFEENEY 650.507.9822 1987-09-22 SH_CLERK
3000.00 0.00 124 50
198 Donald OConnell DOCONNEL 650.507.9833 1987-09-23 SH_CLERK
2600.00 0.00 124 50
199 Douglas Grant DGRANT 650.507.9844 1987-09-24 SH_CLERK
2600.00 0.00 124 50
200 Jennifer Whalen JWHALEN 515.123.4444 1987-09-25 AD_ASST 4400.00 0.00 101 10
201 Michael Hartstein MHARTSTE 515.123.5555 1987-09-26 MK_MAN
13000.00 0.00 100 20
202 Pat
203 Susan Mavris SMAVRIS 515.123.7777 1987-09-28 HR_REP
6500.00 0.00 101 40
204 Hermann Baer HBAER 515.123.8888 1987-09-29 PR_REP
10000.00 0.00 101 70
205 Shelley Higgins SHIGGINS 515.123.8080 1987-09-30 AC_MGR
12000.00 0.00 101 110



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| 206 | William | Gietz | WGIETZ | 515.123.8181 | 1987-10-01 | AC_ACCOUNT | 8300.00 | 0.00 | 205 | 110 |
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SELECT manager_id, MIN(salary) FROM employees WHERE manager_id IS NOT NULL GROUP BY manager_id ORDER BY MIN(salary) DESC;

10. Write a query to get the department ID and the total salary payable in each department.

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 1987-06-17 AD_PRES 24000.00 0.00 0 90
101 Neena Kochhar NKOCHHAR 515.123.4568 1987-06-18 AD_VP 17000.00 0.00 100 90
102 Lex De Haan LDEHAAN 515.123.4569 1987-06-19 AD_VP 17000.00 0.00 100 90
103 Alexander Hunold AHUNOLD 590.423.4567 1987-06-20 IT_PROG 9000.00 0.00 102 60
104 Bruce Ernst BERNST 590.423.4568 1987-06-21 IT_PROG 6000.00 0.00 103 60
105 David Austin DAUSTIN 590.423.4569 1987-06-22 IT_PROG 4800.00 0.00 103 60
106 Valli Pataballa VPATABAL 590.423.4560 1987-06-23 IT_PROG 4800.00 0.00 103 60
107 Diana Lorentz DLORENTZ 590.423.5567 1987-06-24 IT_PROG 4200.00 0.00 103 60
108 Nancy Greenberg NGREENBE 515.124.4569 1987-06-25 FI_MGR 12000.00 0.00 101 100
109 Daniel Faviet DFAVIET 515.124.4169 1987-06-26 FI_ACCOUNT 9000.00 0.00 108 100
110 John Chen JCHEN 515.124.4269 1987-06-27 FI_ACCOUNT 8200.00 0.00 108 100
111 Ismael Sciarra ISCIARRA 515.124.4369 1987-06-28 FI_ACCOUNT 7700.00 0.00 108 100
112 Jose Manuel Urman JMURMAN 515.124.4469 1987-06-29 FI_ACCOUNT 7800.00 0.00 108 100
113 Luis Popp LPOPP 515.124.4567 1987-06-30 FI_ACCOUNT 6900.00 0.00 108 100



114 Den
115 Alexander Khoo AKHOO 515.127.4562 1987-07-02 PU_CLERK 3100.00 0.00 114 30 116 Shelli Baida SBAIDA 515.127.4563 1987-07-03 PU_CLERK 2900.00 0.00 114 30 117 Sigal Tobias STOBIAS 515.127.4564 1987-07-04 PU_CLERK 2800.00 0.00 114 30 118 Guy Himuro GHIMURO 515.127.4565 1987-07-05 PU_CLERK
116 Shelli Baida SBAIDA 515.127.4563 1987-07-03 PU_CLERK 2900.00 0.00 114 30
117 Sigal Tobias STOBIAS 515.127.4564 1987-07-04 PU_CLERK 2800.00 0.00 114 30
118 Guy Himuro GHIMURO 515.127.4565 1987-07-05 PU_CLERK
119 Karen Colmenares KCOLMENA 515.127.4566 1987-07-06 PU_CLERK
2500.00 0.00 114 30
8000.00 0.00 100 50
8200.00 0.00 100 50 122 Payam Kaufling PKAUFLIN 650.123.3234 1987-07-09 ST_MAN 100 1
7900.00 0.00 100 50
6500.00 0.00 100 50 124 Kevin Mourgos KMOURGOS 650.123.5234 1987-07-11 ST_MAN
5800.00 0.00 100 50 125 Julia Nayer JNAYER 650.124.1214 1987-07-12 ST_CLERK
3200.00 0.00 120 50 126 Irene Mikkilineni IMIKKILI 650.124.1224 1987-07-13 ST_CLERK
2700.00 0.00 120 50
2400.00 0.00 120 50 128 Steven Markle SMARKLE 650.124.1434 1987-07-15 ST_CLERK
2200.00 0.00 120 50
129 Laura Bissot LBISSOT 650.124.5234 1987-07-16 ST_CLERK 3300.00 0.00 121 50
130 Mozhe Atkinson MATKINSO 650.124.6234 1987-07-17 ST_CLERK 2800.00 0.00 121 50
131 James Marlow JAMRLOW 650.124.7234 1987-07-18 ST_CLERK 2500.00 0.00 121 50
132 TJ Olson TJOLSON 650.124.8234 1987-07-19 ST_CLERK 2100.00 0.00 121 50
133 Jason Mallin JMALLIN 650.127.1934 1987-07-20 ST_CLERK 3300.00 0.00 122 50
134 Michael Rogers MROGERS 650.127.1834 1987-07-21 ST_CLERK 2900.00 0.00 122 50
135 Ki Gee KGEE 650.127.1734 1987-07-22 ST_CLERK 2400.00 0.00 122 50
136 Hazel Philtanker HPHILTAN 650.127.1634 1987-07-23 ST_CLERK 2200.00 0.00 122 50



137 Renske Ladwig RLADWIG 650.121.1234 1987-07-24 ST_CLERK 3600.00 0.00 123 50
138 Stephen Stiles SSTILES 650.121.2034 1987-07-25 ST_CLERK 3200.00 0.00 123 50
139 John Seo JSEO 650.121.2019 1987-07-26 ST_CLERK 2700.00 0.00 123 50
140 Joshua Patel JPATEL 650.121.1834 1987-07-27 ST_CLERK 2500.00 0.00 123 50
141 Trenna Rajs TRAJS 650.121.8009 1987-07-28 ST_CLERK 3500.00 0.00 124 50
142 Curtis Davies CDAVIES 650.121.2994 1987-07-29 ST_CLERK 3100.00 0.00 124 50
143 Randall Matos RMATOS 650.121.2874 1987-07-30 ST_CLERK 2600.00 0.00 124 50
144 Peter Vargas PVARGAS 650.121.2004 1987-07-31 ST_CLERK 2500.00 0.00 124 50
145 John Russell JRUSSEL 011.44.1344.429268 1987-08-01 SA_MAN 14000.00 0.40 100 80
146 Karen Partners KPARTNER 011.44.1344.467268 1987-08-02 SA_MAN 13500.00 0.30 100 80
147 Alberto Errazuriz AERRAZUR 011.44.1344.429278 1987-08-03 SA_MAN 12000.00 0.30 100 80
148 Gerald Cambrault GCAMBRAU 011.44.1344.619268 1987-08-04 SA_MAN 11000.00 0.30 100 80
149 Eleni Zlotkey EZLOTKEY 011.44.1344.429018 1987-08-05 SA_MAN 10500.00 0.20 100 80
150 Peter Tucker PTUCKER 011.44.1344.129268 1987-08-06 SA_REP 10000.00 0.30 145 80
151 David Bernstein DBERNSTE 011.44.1344.345268 1987-08-07 SA_REP 9500.00 0.25 145 80
152 Peter Hall PHALL 011.44.1344.478968 1987-08-08 SA_REP 9000.00 0.25 145 80
153 Christopher Olsen COLSEN 011.44.1344.498718 1987-08-09 SA_REP 8000.00 0.20 145 80
154 Nanette Cambrault NCAMBRAU 011.44.1344.987668 1987-08-10 SA_REP 7500.00 0.20 145 80
155 Oliver Tuvault OTUVAULT 011.44.1344.486508 1987-08-11 SA_REP 7000.00 0.15 145 80
156 Janette King JKING 011.44.1345.429268 1987-08-12 SA_REP 10000.00 0.35 146 80
157 Patrick Sully PSULLY 011.44.1345.929268 1987-08-13 SA_REP 9500.00 0.35 146 80
158 Allan McEwen AMCEWEN 011.44.1345.829268 1987-08-14 SA_REP 9000.00 0.35 146 80
159 Lindsey Smith LSMITH 011.44.1345.729268 1987-08-15 SA_REP 8000.00 0.30 146 80



160 Louise Doran LDORAN 011.44.1345.629268 1987-08-16 SA_REP 7500.00 0.30 146 80
161 Sarath Sewall SSEWALL 011.44.1345.529268 1987-08-17 SA_REP 7000.00 0.25 146 80
162 Clara Vishney CVISHNEY 011.44.1346.129268 1987-08-18 SA_REP 10500.00 0.25 147 80
163 Danielle Greene DGREENE 011.44.1346.229268 1987-08-19 SA_REP 9500.00 0.15 147 80
164 Mattea Marvins MMARVINS 011.44.1346.329268 1987-08-20 SA_REP 7200.00 0.10 147 80
165 David Lee
166 Sundar Ande SANDE 011.44.1346.629268 1987-08-22 SA_REP 6400.00 0.10 147 80
167 Amit
168 Lisa Ozer LOZER 011.44.1343.929268 1987-08-24 SA_REP 11500.00 0.25 148 80
169 Harrison Bloom HBLOOM 011.44.1343.829268 1987-08-25 SA_REP 10000.00 0.20 148 80
170 Tayler Fox TFOX 011.44.1343.729268 1987-08-26 SA_REP 9600.00 0.20 148 80
171 William Smith WSMITH 011.44.1343.629268 1987-08-27 SA_REP 7400.00 0.15 148 80
172 Elizabeth Bates EBATES 011.44.1343.529268 1987-08-28 SA_REP 7300.00 0.15 148 80
173 Sundita Kumar SKUMAR 011.44.1343.329268 1987-08-29 SA_REP 6100.00 0.10 148 80
174 Ellen Abel EABEL 011.44.1644.429267 1987-08-30 SA_REP 11000.00 0.30 149 80
175 Alyssa Hutton AHUTTON 011.44.1644.429266 1987-08-31 SA_REP 8800.00 0.25 149 80
176 Jonathon Taylor JTAYLOR 011.44.1644.429265 1987-09-01 SA_REP 8600.00 0.20 149 80
177 Jack Livingston JLIVINGS 011.44.1644.429264 1987-09-02 SA_REP 8400.00 0.20 149 80
178 Kimberely Grant KGRANT 011.44.1644.429263 1987-09-03 SA_REP 7000.00 0.15 149 0
179 Charles Johnson CJOHNSON 011.44.1644.429262 1987-09-04 SA_REP 6200.00 0.10 149 80
180 Winston Taylor WTAYLOR 650.507.9876 1987-09-05 SH_CLERK 3200.00 0.00 120 50
181 Jean Fleaur JFLEAUR 650.507.9877 1987-09-06 SH_CLERK 3100.00 0.00 120 50
182 Martha Sullivan MSULLIVA 650.507.9878 1987-09-07 SH_CLERK 2500.00 0.00 120 50



183 Girard Geoni GGEONI 650.507.9879 1987-09-08 SH_CLERK
2800.00 0.00 120 50
184 Nandita Sarchand NSARCHAN 650.509.1876 1987-09-09 SH_CLERK
4200.00 0.00 121 50
185 Alexis Bull ABULL 650.509.2876 1987-09-10 SH_CLERK
4100.00 0.00 121 50
186 Julia Dellinger JDELLING 650.509.3876 1987-09-11 SH_CLERK
3400.00 0.00 121 50
187 Anthony Cabrio ACABRIO 650.509.4876 1987-09-12 SH_CLERK
3000.00 0.00 121 50
188 Kelly Chung KCHUNG 650.505.1876 1987-09-13 SH_CLERK
3800.00 0.00 122 50 189 Jennifer Dilly JDILLY 650.505.2876 1987-09-14 SH_CLERK
189 Jennier Dilly JDILLY 650.505.2876 1987-09-14 SH_CLERK 3600.00 0.00 122 50
190 Timothy Gates TGATES 650.505.3876 1987-09-15 SH_CLERK
2900.00 0.00 122 50
191 Randall Perkins RPERKINS 650.505.4876 1987-09-16 SH_CLERK
2500.00 0.00 122 50
192 Sarah Bell SBELL 650.501.1876 1987-09-17 SH_CLERK
4000.00 0.00 123 50
193 Britney Everett BEVERETT 650.501.2876 1987-09-18 SH_CLERK
3900.00 0.00 123 50
194 Samuel McCain SMCCAIN 650.501.3876 1987-09-19 SH_CLERK
3200.00 0.00 123 50
195 Vance Jones VJONES 650.501.4876 1987-09-20 SH_CLERK
2800.00 0.00 123 50 196 Alana Walsh AWALSH 650.507.9811 1987-09-21 SH_CLERK
196 Alalia Walsh AWALSh 630.307.9811 1987-09-21 Sh_CLERK
197 Kevin Feeney KFEENEY 650.507.9822 1987-09-22 SH_CLERK
3000.00 0.00 124 50
198 Donald OConnell DOCONNEL 650.507.9833 1987-09-23 SH_CLERK
2600.00 0.00 124 50
199 Douglas Grant DGRANT 650.507.9844 1987-09-24 SH_CLERK
2600.00 0.00 124 50
200 Jennifer Whalen JWHALEN 515.123.4444 1987-09-25 AD_ASST
4400.00 0.00 101 10
201 Michael Hartstein MHARTSTE 515.123.5555 1987-09-26 MK_MAN 13000.00 0.00 100 20
202 Pat Fay PFAY 603.123.6666 1987-09-27 MK_REP 6000.00 0.00 201 20
203 Susan Mavris SMAVRIS 515.123.7777 1987-09-28 HR_REP
203 Susaii
204 Hermann Baer HBAER 515.123.8888 1987-09-29 PR_REP
10000.00 0.00 101 70
205 Shelley Higgins SHIGGINS 515.123.8080 1987-09-30 AC_MGR
12000.00 0.00 101 110



206	William	Gietz	WGIETZ	515.123.8181	1987-10-01 AC_ACCOUNT
8300.00	0.00	205	110		

SELECT department_id, SUM(salary)
FROM employees
GROUP BY department_id;

11. Write a query to get the average salary for each job ID excluding programmer.

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 1987-06-17 AD_PRES
24000.00 0.00 0 90
101 Neena Kochhar NKOCHHAR 515.123.4568 1987-06-18 AD_VP
17000.00 0.00 100 90
102 Lex De Haan LDEHAAN 515.123.4569 1987-06-19 AD_VP
17000.00 0.00 100 90
103 Alexander Hunold AHUNOLD 590.423.4567 1987-06-20 IT_PROG
9000.00 0.00 102 60
104 Bruce Ernst BERNST 590.423.4568 1987-06-21 IT_PROG
6000.00 0.00 103 60
105 David Austin DAUSTIN 590.423.4569 1987-06-22 IT_PROG
4800.00 0.00 103 60
106 Valli Pataballa VPATABAL 590.423.4560 1987-06-23 IT_PROG
4800.00 0.00 103 60
107 Diana Lorentz DLORENTZ 590.423.5567 1987-06-24 IT_PROG
4200.00 0.00 103 60
108 Nancy Greenberg NGREENBE 515.124.4569 1987-06-25 FI_MGR
12000.00 0.00 101 100
109 Daniel Faviet DFAVIET 515.124.4169 1987-06-26 FI_ACCOUNT
9000.00 0.00 108 100
110 John Chen JCHEN 515.124.4269 1987-06-27 FI_ACCOUNT
8200.00 0.00 108 100
111 Ismael Sciarra ISCIARRA 515.124.4369 1987-06-28 FI_ACCOUNT
7700.00 0.00 108 100



112 Jose Manuel Urman JMURMAN 515.124.4469 1987-06-29 FI_ACCOUNT 7800.00 0.00 108 100
113 Luis Popp LPOPP 515.124.4567 1987-06-30 FI_ACCOUNT 6900.00 0.00 108 100
114 Den Raphaely DRAPHEAL 515.127.4561 1987-07-01 PU MAN
11000.00 0.00 100 30
3100.00 0.00 114 30
116 Shelli Baida SBAIDA 515.127.4563 1987-07-03 PU_CLERK 2900.00 0.00 114 30
117 Sigal Tobias STOBIAS 515.127.4564 1987-07-04 PU_CLERK
2800.00 0.00 114 30
118 Guy Himuro GHIMURO 515.127.4565 1987-07-05 PU_CLERK 2600.00 0.00 114 30
119 Karen Colmenares KCOLMENA 515.127.4566 1987-07-06 PU_CLERK
2500.00 0.00 114 30
120 Matthew Weiss MWEISS 650.123.1234 1987-07-07 ST_MAN 8000.00 0.00 100 50
121 Adam Fripp AFRIPP 650.123.2234 1987-07-08 ST_MAN
8200.00 0.00 100 50
122 Payam Kaufling PKAUFLIN 650.123.3234 1987-07-09 ST_MAN
7900.00 0.00 100 50
123 Shanta Vollman SVOLLMAN 650.123.4234 1987-07-10 ST_MAN 6500.00 0.00 100 50
124 Kevin Mourgos KMOURGOS 650.123.5234 1987-07-11 ST_MAN 5800.00 0.00 100 50
125 Julia Nayer JNAYER 650.124.1214 1987-07-12 ST_CLERK 3200.00 0.00 120 50
126 Irene Mikkilineni IMIKKILI 650.124.1224 1987-07-13 ST_CLERK
2700.00 0.00 120 50
127 James Landry JLANDRY 650.124.1334 1987-07-14 ST_CLERK 2400.00 0.00 120 50
128 Steven Markle SMARKLE 650.124.1434 1987-07-15 ST_CLERK 2200.00 0.00 120 50
129 Laura Bissot LBISSOT 650.124.5234 1987-07-16 ST_CLERK
3300.00 0.00 121 50
2800.00 0.00 121 50
131 James Marlow JAMRLOW 650.124.7234 1987-07-18 ST_CLERK 2500.00 0.00 121 50
132 TJ Olson TJOLSON 650.124.8234 1987-07-19 ST_CLERK 2100.00 0.00 121 50
133 Jason Mallin JMALLIN 650.127.1934 1987-07-20 ST_CLERK
3300.00 0.00 122 50 134 Michael Rogers MROGERS 650.127.1834 1987-07-21 ST_CLERK
2900.00 0.00 122 50



135 Ki Gee KGEE 650 127 1734 1987-07-22 ST CLERK 2400 00
135 Ki Gee KGEE 650.127.1734 1987-07-22 ST_CLERK 2400.00 0.00 122 50
136 Hazel Philtanker HPHILTAN 650.127.1634 1987-07-23 ST_CLERK
2200.00 0.00 122 50
137 Renske Ladwig RLADWIG 650.121.1234 1987-07-24 ST_CLERK 3600.00 0.00 123 50
138 Stephen Stiles SSTILES 650.121.2034 1987-07-25 ST_CLERK
3200.00 0.00 123 50
139 John Seo JSEO 650.121.2019 1987-07-26 ST_CLERK
2700.00 0.00 123 50
140 Joshua Patel JPATEL 650.121.1834 1987-07-27 ST_CLERK 2500.00 0.00 123 50
141 Trenna Rajs TRAJS 650.121.8009 1987-07-28 ST_CLERK
3500.00 0.00 124 50
142 Curtis Davies CDAVIES 650.121.2994 1987-07-29 ST_CLERK
3100.00 0.00 124 50
143 Randall Matos RMATOS 650.121.2874 1987-07-30 ST_CLERK 2600.00 0.00 124 50
144 Peter Vargas PVARGAS 650.121.2004 1987-07-31 ST_CLERK
2500.00 0.00 124 50
145 John
14000.00 0.40 100 80
146 Karen Partners KPARTNER 011.44.1344.467268 1987-08-02 SA_MAN 13500.00 0.30 100 80
147 Alberto Errazuriz AERRAZUR 011.44.1344.429278 1987-08-03 SA_MAN
12000.00 0.30 100 80
148 Gerald Cambrault GCAMBRAU 011.44.1344.619268 1987-08-04 SA_MAN
11000.00 0.30 100 80
149 Eleni Zlotkey EZLOTKEY 011.44.1344.429018 1987-08-05 SA_MAN 10500.00 0.20 100 80
150 Peter Tucker PTUCKER 011.44.1344.129268 1987-08-06 SA_REP
10000.00 0.30 145 80
151 David Bernstein DBERNSTE 011.44.1344.345268 1987-08-07 SA_REP
9500.00 0.25 145 80
152 Peter Hall PHALL 011.44.1344.478968 1987-08-08 SA_REP 9000.00 0.25 145 80
153 Christopher Olsen COLSEN 011.44.1344.498718 1987-08-09 SA_REP
8000.00 0.20 145 80
154 Nanette Cambrault NCAMBRAU 011.44.1344.987668 1987-08-10 SA_REP
7500.00 0.20 145 80
155 Oliver Tuvault OTUVAULT 011.44.1344.486508 1987-08-11 SA_REP 7000.00 0.15 145 80
156 Janette King JKING 011.44.1345.429268 1987-08-12 SA_REP
10000.00 0.35 146 80
157 Patrick Sully PSULLY 011.44.1345.929268 1987-08-13 SA_REP
9500.00 0.35 146 80



158 Allan McEwen AMCEWEN 011.44.1345.829268 1987-08-14 SA_REP 9000.00 0.35 146 80
159 Lindsey Smith LSMITH 011.44.1345.729268 1987-08-15 SA_REP 8000.00 0.30 146 80
160 Louise Doran LDORAN 011.44.1345.629268 1987-08-16 SA_REP 7500.00 0.30 146 80
161 Sarath Sewall SSEWALL 011.44.1345.529268 1987-08-17 SA_REP 7000.00 0.25 146 80
162 Clara Vishney CVISHNEY 011.44.1346.129268 1987-08-18 SA_REP 10500.00 0.25 147 80
163 Danielle Greene DGREENE 011.44.1346.229268 1987-08-19 SA_REP 9500.00 0.15 147 80
164 Mattea Marvins MMARVINS 011.44.1346.329268 1987-08-20 SA_REP 7200.00 0.10 147 80
165 David Lee DLEE 011.44.1346.529268 1987-08-21 SA_REP 6800.00 0.10 147 80
166 Sundar Ande SANDE 011.44.1346.629268 1987-08-22 SA_REP 6400.00 0.10 147 80
167 Amit
168 Lisa Ozer LOZER 011.44.1343.929268 1987-08-24 SA_REP 11500.00 0.25 148 80
169 Harrison Bloom HBLOOM 011.44.1343.829268 1987-08-25 SA_REP 10000.00 0.20 148 80
170 Tayler Fox TFOX 011.44.1343.729268 1987-08-26 SA_REP 9600.00 0.20 148 80
171 William Smith WSMITH 011.44.1343.629268 1987-08-27 SA_REP 7400.00 0.15 148 80
172 Elizabeth Bates EBATES 011.44.1343.529268 1987-08-28 SA_REP 7300.00 0.15 148 80
173 Sundita Kumar SKUMAR 011.44.1343.329268 1987-08-29 SA_REP 6100.00 0.10 148 80
174 Ellen Abel EABEL 011.44.1644.429267 1987-08-30 SA_REP 11000.00 0.30 149 80
175 Alyssa Hutton AHUTTON 011.44.1644.429266 1987-08-31 SA_REP 8800.00 0.25 149 80
176 Jonathon Taylor JTAYLOR 011.44.1644.429265 1987-09-01 SA_REP 8600.00 0.20 149 80
177 Jack Livingston JLIVINGS 011.44.1644.429264 1987-09-02 SA_REP 8400.00 0.20 149 80
178 Kimberely Grant KGRANT 011.44.1644.429263 1987-09-03 SA_REP 7000.00 0.15 149 0
179 Charles Johnson CJOHNSON 011.44.1644.429262 1987-09-04 SA_REP 6200.00 0.10 149 80
180 Winston Taylor WTAYLOR 650.507.9876 1987-09-05 SH_CLERK 3200.00 0.00 120 50



10117
181 Jean Fleaur JFLEAUR 650.507.9877 1987-09-06 SH_CLERK 3100.00 0.00 120 50
182 Martha Sullivan MSULLIVA 650.507.9878 1987-09-07 SH_CLERK
2500.00 0.00 120 50 183 Girard Geoni GGEONI 650.507.9879 1987-09-08 SH_CLERK
2800.00 0.00 120 50
184 Nandita Sarchand NSARCHAN 650.509.1876 1987-09-09 SH_CLERK 4200.00 0.00 121 50
185 Alexis Bull ABULL 650.509.2876 1987-09-10 SH_CLERK
4100.00 0.00 121 50
186 Julia Dellinger JDELLING 650.509.3876 1987-09-11 SH_CLERK
3400.00 0.00 121 50
167 Antifolity Cabilo ACABRIO 630.309.4876 1987-09-12 311_CLERK
188 Kelly Chung KCHUNG 650.505.1876 1987-09-13 SH_CLERK
3800.00 0.00 122 50
189 Jennifer Dilly JDILLY 650.505.2876 1987-09-14 SH_CLERK 3600.00 0.00 122 50
190 Timothy Gates TGATES 650.505.3876 1987-09-15 SH_CLERK
2900.00 0.00 122 50
191 Randall Perkins RPERKINS 650.505.4876 1987-09-16 SH_CLERK
2500.00 0.00 122 50
192 Sarah Bell SBELL 650.501.1876 1987-09-17 SH_CLERK 4000.00 0.00 123 50
193 Britney Everett BEVERETT 650.501.2876 1987-09-18 SH_CLERK
3900.00 0.00 123 50
194 Samuel McCain SMCCAIN 650.501.3876 1987-09-19 SH_CLERK 3200.00 0.00 123 50
195 Vance Jones VJONES 650.501.4876 1987-09-20 SH_CLERK
2800.00 0.00 123 50
196 Alana Walsh AWALSH 650.507.9811 1987-09-21 SH_CLERK 3100.00 0.00 124 50
197 Kevin Feeney KFEENEY 650.507.9822 1987-09-22 SH_CLERK
3000.00 0.00 124 50
198 Donald OConnell DOCONNEL 650.507.9833 1987-09-23 SH_CLERK
2600.00 0.00 124 50
199 Douglas Grant DGRANT 650.507.9844 1987-09-24 SH_CLERK 2600.00 0.00 124 50
200 Jennifer Whalen JWHALEN 515.123.4444 1987-09-25 AD_ASST 4400.00 0.00 101 10
201 Michael Hartstein MHARTSTE 515.123.5555 1987-09-26 MK_MAN 13000.00 0.00 100 20
202 Pat
203 Susan Mavris SMAVRIS 515.123.7777 1987-09-28 HR_REP 6500.00 0.00 101 40



204 Hermann Baer	HBAER 515.123.8888	1987-09-29 PR_REP
10000.00 0.00 101	70	
205 Shelley Higgins	SHIGGINS 515.123.8080	1987-09-30 AC_MGR
12000.00 0.00 101	110	
206 William Gietz	WGIETZ 515.123.8181	1987-10-01 AC_ACCOUNT
8300.00 0.00 205	110	

SELECT job_id, AVG(salary)

FROM employees

WHERE job_id <> 'IT_PROG'

GROUP BY job_id;

12. Write a query to get the total salary, maximum, minimum, average salary of employees (job ID wise), for department ID 90 only.

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 1987-06-17 AD_PRES
24000.00 0.00 0 90
101 Neena Kochhar NKOCHHAR 515.123.4568 1987-06-18 AD_VP
17000.00 0.00 100 90
102 Lex De Haan LDEHAAN 515.123.4569 1987-06-19 AD_VP
17000.00 0.00 100 90
103 Alexander Hunold AHUNOLD 590.423.4567 1987-06-20 IT_PROG
9000.00 0.00 102 60
104 Bruce Ernst BERNST 590.423.4568 1987-06-21 IT_PROG
6000.00 0.00 103 60
105 David Austin DAUSTIN 590.423.4569 1987-06-22 IT_PROG
4800.00 0.00 103 60
106 Valli Pataballa VPATABAL 590.423.4560 1987-06-23 IT_PROG
4800.00 0.00 103 60
107 Diana Lorentz DLORENTZ 590.423.5567 1987-06-24 IT_PROG
4200.00 0.00 103 60
108 Nancy Greenberg NGREENBE 515.124.4569 1987-06-25 FI_MGR
12000.00 0.00 101 100
109 Daniel Faviet DFAVIET 515.124.4169 1987-06-26 FI_ACCOUNT
9000.00 0.00 108 100
110 John Chen JCHEN 515.124.4269 1987-06-27 FI_ACCOUNT
8200.00 0.00 108 100
111 Ismael Sciarra ISCIARRA 515.124.4369 1987-06-28 FI_ACCOUNT
7700.00 0.00 108 100



117 Sigal Tobias STOBIAS 515.127.4564 1987-07-04 PU_CLERK 2800.00 0.00 114 30	
113 Luis	112 Jose Manuel Urman JMURMAN 515.124.4469 1987-06-29 FI_ACCOUNT 7800.00 0.00 108 100
114 Den	113 Luis Popp LPOPP 515.124.4567 1987-06-30 FI_ACCOUNT
115 Alexander Khoo AKHOO 515.127.4562 1987-07-02 PU_CLERK 3100.00 0.00 114 30	114 Den
116 Shelli Baida SBAIDA 515.127.4563 1987-07-03 PU_CLERK 30	115 Alexander Khoo AKHOO 515.127.4562 1987-07-02 PU_CLERK
2900.00 0.00 114 30 117 Sigal Tobias STOBIAS 515.127.4564 1987-07-04 PU_CLERK 2800.00 0.00 114 30 118 Guy Himuro GHIMURO 515.127.4565 1987-07-05 PU_CLERK 2600.00 0.00 114 30 11987-07-06 PU_CLERK 2500.00 0.00 114 30 11987-07-06 PU_CLERK 2500.00 0.00 114 30 1987-07-06 PU_CLERK 2500.00 0.00 100 50 121 Adam Fripp AFRIPP 650.123.1234 1987-07-07 ST_MAN 2700.00 0.00 100 50 122 Payam Kaufling PKAUFLIN 650.123.3234 1987-07-09 ST_MAN 2700.00 0.00 100 50 123 Shanta Vollman SVOLLMAN 650.123.4234 1987-07-10 ST_MAN 2700.00 0.00 100 50 125 Julia Nayer JNAYER 650.123.5234 1987-07-11 ST_MAN 2700.00 0.00 120 50 126 Irene Mikkilineni IMIKKILI 650.124.1214 1987-07-12 ST_CLERK 2700.00 0.00 120 50 127 James Landry JLANDRY 650.124.1334 1987-07-14 ST_CLERK 2700.00 0.00 120 50 121 So 129 Laura Bissot Lalissot Lalissot Atkinson At	
2800.00 0.00 114 30	
118 Guy	
119 Karen	118 Guy Himuro GHIMURO 515.127.4565 1987-07-05 PU_CLERK
120 Matthew Weiss MWEISS 650.123.1234 1987-07-07 ST_MAN	
120 Matthew Weiss MWEISS 650.123.1234 1987-07-07 ST_MAN 8000.00 0.00 100 50	119 Karen Colmenares KCOLMENA 515.127.4566 1987-07-06 PU_CLERK 2500.00 0.00 114 30
121 Adam Fripp AFRIPP 650.123.2234 1987-07-08 ST_MAN 8200.00 0.00 100 50 100 50 122 Payam Yollman SVOLLMAN 650.123.3234 1987-07-09 ST_MAN 7900.00 0.00 100 50 123 Shanta Vollman SVOLLMAN 650.123.4234 1987-07-10 ST_MAN 6500.00 0.00 100 50 124 Kevin Mourgos KMOURGOS 650.123.5234 1987-07-11 ST_MAN 6500.00 0.00 100 50 125 Julia Nayer JNAYER 650.124.1214 1987-07-12 ST_CLERK 3200.00 0.00 120 50 126 Irene Mikkilineni IMIKKILI 650.124.1224 1987-07-13 ST_CLERK 2700.00 0.00 120 50 120 50 122 300.00 0.00 120 50 128 Steven Markle SMARKLE 650.124.1434 1987-07-15 ST_CLERK 2200.00 0.00 121 50 129 50 129 50 129 50 129 50 129 50 129 50 129 50 121 50 1	120 Matthew Weiss MWEISS 650.123.1234 1987-07-07 ST_MAN
122 Payam	8000.00 0.00 100 50
122	121 Adam
123 Shanta Vollman SVOLLMAN 650.123.4234 1987-07-10 ST_MAN 6500.00 0.00 100 50	122 Payam Kaufling PKAUFLIN 650.123.3234 1987-07-09 ST_MAN
124 Kevin	7900.00 0.00 100 50
124 Kevin	123 Shanta Vollman SVOLLMAN 650.123.4234 1987-07-10 SI_MAN 6500.00 0.00 100 50
125 Julia Nayer JNAYER 650.124.1214 1987-07-12 ST_CLERK 3200.00 0.00 120 50	124 Kevin Mourgos KMOURGOS 650.123.5234 1987-07-11 ST_MAN
126 Irene	125 Julia Nayer JNAYER 650.124.1214 1987-07-12 ST_CLERK
127 James	126 Irene Mikkilineni IMIKKILI 650.124.1224 1987-07-13 ST_CLERK
128 Steven Markle SMARKLE 650.124.1434 1987-07-15 ST_CLERK 2200.00 0.00 120 50	127 James Landry JLANDRY 650.124.1334 1987-07-14 ST CLERK
129 Laura	128 Steven Markle SMARKLE 650.124.1434 1987-07-15 ST_CLERK
130 Mozhe	129 Laura Bissot LBISSOT 650.124.5234 1987-07-16 ST_CLERK
131 James Marlow JAMRLOW 650.124.7234 1987-07-18 ST_CLERK 2500.00 0.00 121 50	130 Mozhe Atkinson MATKINSO 650.124.6234 1987-07-17 ST_CLERK
132 TJ	131 James Marlow JAMRLOW 650.124.7234 1987-07-18 ST_CLERK
133 Jason Mallin JMALLIN 650.127.1934 1987-07-20 ST_CLERK 3300.00 0.00 122 50 134 Michael Rogers MROGERS 650.127.1834 1987-07-21 ST_CLERK	132 TJ Olson TJOLSON 650.124.8234 1987-07-19 ST_CLERK
134 Michael Rogers MROGERS 650.127.1834 1987-07-21 ST_CLERK	133 Jason Mallin JMALLIN 650.127.1934 1987-07-20 ST_CLERK
	134 Michael Rogers MROGERS 650.127.1834 1987-07-21 ST_CLERK



135 Ki
135 Ki Gee KGEE 650.127.1734 1987-07-22 ST_CLERK 2400.00 0.00 122 50
136 Hazel Philtanker HPHILTAN 650.127.1634 1987-07-23 ST_CLERK
2200.00 0.00 122 50
137 Renske Ladwig RLADWIG 650.121.1234 1987-07-24 ST_CLERK 3600.00 0.00 123 50
138 Stephen Stiles SSTILES 650.121.2034 1987-07-25 ST_CLERK
3200.00 0.00 123 50
139 John Seo JSEO 650.121.2019 1987-07-26 ST_CLERK
2700.00 0.00 123 50
140 Joshua Patel JPATEL 650.121.1834 1987-07-27 ST_CLERK 2500.00 0.00 123 50
141 Trenna Rajs TRAJS 650.121.8009 1987-07-28 ST_CLERK
3500.00 0.00 124 50
142 Curtis Davies CDAVIES 650.121.2994 1987-07-29 ST_CLERK
3100.00 0.00 124 50
143 Randall Matos RMATOS 650.121.2874 1987-07-30 ST_CLERK 2600.00 0.00 124 50
144 Peter Vargas PVARGAS 650.121.2004 1987-07-31 ST_CLERK
2500.00 0.00 124 50
145 John
14000.00 0.40 100 80
146 Karen Partners KPARTNER 011.44.1344.467268 1987-08-02 SA_MAN 13500.00 0.30 100 80
147 Alberto Errazuriz AERRAZUR 011.44.1344.429278 1987-08-03 SA_MAN
12000.00 0.30 100 80
148 Gerald Cambrault GCAMBRAU 011.44.1344.619268 1987-08-04 SA_MAN 11000.00 0.30 100 80
149 Eleni
10500.00 0.20 100 80
150 Peter Tucker PTUCKER 011.44.1344.129268 1987-08-06 SA_REP
10000.00 0.30 145 80
151 David Bernstein DBERNSTE 011.44.1344.345268 1987-08-07 SA_REP 9500.00 0.25 145 80
152 Peter Hall PHALL 011.44.1344.478968 1987-08-08 SA_REP
9000.00 0.25 145 80
153 Christopher Olsen COLSEN 011.44.1344.498718 1987-08-09 SA_REP 8000.00 0.20 145 80
154 Nanette Cambrault NCAMBRAU 011.44.1344.987668 1987-08-10 SA_REP 7500.00 0.20 145 80
155 Oliver Tuvault OTUVAULT 011.44.1344.486508 1987-08-11 SA_REP 7000.00 0.15 145 80
156 Janette King JKING 011.44.1345.429268 1987-08-12 SA_REP 10000.00 0.35 146 80
157 Patrick Sully PSULLY 011.44.1345.929268 1987-08-13 SA_REP 9500.00 0.35 146 80





181 Jean Fleaur JFLEAUR 650.507.9877 1987-09-06 SH_CLERK 3100.00 0.00 120 50
182 Martha Sullivan MSULLIVA 650.507.9878 1987-09-07 SH_CLERK
2500.00 0.00 120 50 183 Girard Geoni GGEONI 650.507.9879 1987-09-08 SH_CLERK
165 Girard Georii GGEONI 050.507.5075 1967-05-06 SII_CEERR
184 Nandita Sarchand NSARCHAN 650.509.1876 1987-09-09 SH_CLERK
4200.00 0.00 121 50 185 Alexis Bull ABULL 650.509.2876 1987-09-10 SH_CLERK
105 Alexis Buil ABOLE 030:309:2070 1907-09-10 311_CLERK
186 Julia Dellinger JDELLING 650.509.3876 1987-09-11 SH_CLERK
3400.00 0.00 121 50
187 Anthony Cabrio ACABRIO 650.509.4876 1987-09-12 SH_CLERK 3000.00 0.00 121 50
188 Kelly Chung KCHUNG 650.505.1876 1987-09-13 SH_CLERK
3800.00 0.00 122 50
189 Jennifer Dilly JDILLY 650.505.2876 1987-09-14 SH_CLERK 3600.00 0.00 122 50
190 Timothy Gates TGATES 650,505,3876 1987-09-15 SH CLERK
2900.00 0.00 122 50
191 Randall Perkins RPERKINS 650.505.4876 1987-09-16 SH_CLERK
2500.00 0.00 122 50 192 Sarah Bell SBELL 650.501.1876 1987-09-17 SH_CLERK
4000.00 0.00 123 50
193 Britney Everett BEVERETT 650.501.2876 1987-09-18 SH_CLERK
3900.00 0.00 123 50 194 Samuel McCain SMCCAIN 650.501.3876 1987-09-19 SH_CLERK
194 Samuel McCall SMCCAIN 030.301.3870 1967-09-19 SM_CLERK
195 Vance Jones VJONES 650.501.4876 1987-09-20 SH_CLERK 2800.00 0.00 123 50
196 Alana Walsh AWALSH 650.507.9811 1987-09-21 SH_CLERK
3100.00 0.00 124 50
197 Kevin Feeney KFEENEY 650.507.9822 1987-09-22 SH_CLERK 3000.00 0.00 124 50
198 Donald OConnell DOCONNEL 650.507.9833 1987-09-23 SH_CLERK
2600.00 0.00 124 50
199 Douglas Grant DGRANT 650.507.9844 1987-09-24 SH_CLERK 2600.00 0.00 124 50
200 Jennifer Whalen JWHALEN 515.123.4444 1987-09-25 AD_ASST 4400.00 0.00 101 10
201 Michael Hartstein MHARTSTE 515.123.5555 1987-09-26 MK_MAN 13000.00 0.00 100 20
202 Pat Fay PFAY 603.123.6666 1987-09-27 MK_REP 6000.00
0.00 201 20
203 Susan Mavris SMAVRIS 515.123.7777 1987-09-28 HR_REP 6500.00 0.00 101 40



204 Hermann Baer	HBAER 515.123.8888	1987-09-29 PR_REP
10000.00 0.00 101	. 70	
205 Shelley Higgins	SHIGGINS 515.123.8080	1987-09-30 AC_MGR
12000.00 0.00 101	. 110	
206 William Gietz	WGIETZ 515.123.8181	1987-10-01 AC_ACCOUNT
8300.00 0.00 205	110	

SELECT job_id, SUM(salary), AVG(salary), MAX(salary), MIN(salary)

FROM employees
WHERE department_id = '90'
GROUP BY job_id;

13. Write a query to get the job ID and maximum salary of the employees where maximum salary is greater than or equal to \$4000.

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 1987-06-17 AD_PRES
24000.00 0.00 0 90
101 Neena Kochhar NKOCHHAR 515.123.4568 1987-06-18 AD_VP
17000.00 0.00 100 90
102 Lex De Haan LDEHAAN 515.123.4569 1987-06-19 AD_VP
17000.00 0.00 100 90
103 Alexander Hunold AHUNOLD 590.423.4567 1987-06-20 IT_PROG
9000.00 0.00 102 60
104 Bruce Ernst BERNST 590.423.4568 1987-06-21 IT_PROG
6000.00 0.00 103 60
105 David Austin DAUSTIN 590.423.4569 1987-06-22 IT_PROG
4800.00 0.00 103 60
106 Valli Pataballa VPATABAL 590.423.4560 1987-06-23 IT_PROG
4800.00 0.00 103 60
107 Diana Lorentz DLORENTZ 590.423.5567 1987-06-24 IT_PROG
4200.00 0.00 103 60
108 Nancy Greenberg NGREENBE 515.124.4569 1987-06-25 FI_MGR
12000.00 0.00 101 100
109 Daniel Faviet DFAVIET 515.124.4169 1987-06-26 FI_ACCOUNT
9000.00 0.00 108 100
110 John Chen JCHEN 515.124.4269 1987-06-27 FI_ACCOUNT
8200.00 0.00 108 100
111 Ismael Sciarra ISCIARRA 515.124.4369 1987-06-28 FI_ACCOUNT
7700.00 0.00 108 100
112 Jose Manuel Urman JMURMAN 515.124.4469 1987-06-29 FI_ACCOUNT
7800.00 0.00 108 100



113 Luis Popp LPOPP 515.124.4567 1987-06-30 FI_ACCOUNT 6900.00 0.00 108 100
114 Den
115 Alexander Khoo AKHOO 515.127.4562 1987-07-02 PU_CLERK 3100.00 0.00 114 30
116 Shelli Baida SBAIDA 515.127.4563 1987-07-03 PU_CLERK 2900.00 0.00 114 30
117 Sigal Tobias STOBIAS 515.127.4564 1987-07-04 PU_CLERK 2800.00 0.00 114 30
118 Guy Himuro GHIMURO 515.127.4565 1987-07-05 PU_CLERK 2600.00 0.00 114 30
119 Karen Colmenares KCOLMENA 515.127.4566 1987-07-06 PU_CLERK 2500.00 0.00 114 30
120 Matthew Weiss MWEISS 650.123.1234 1987-07-07 ST_MAN 8000.00 0.00 100 50
121 Adam Fripp AFRIPP 650.123.2234 1987-07-08 ST_MAN 8200.00 0.00 100 50
122 Payam Kaufling PKAUFLIN 650.123.3234 1987-07-09 ST_MAN 7900.00 0.00 100 50
123 Shanta Vollman SVOLLMAN 650.123.4234 1987-07-10 ST_MAN 6500.00 0.00 100 50
124 Kevin Mourgos KMOURGOS 650.123.5234 1987-07-11 ST_MAN 5800.00 0.00 100 50
125 Julia Nayer JNAYER 650.124.1214 1987-07-12 ST_CLERK 3200.00 0.00 120 50
126 Irene Mikkilineni IMIKKILI 650.124.1224 1987-07-13 ST_CLERK 2700.00 0.00 120 50
127 James Landry JLANDRY 650.124.1334 1987-07-14 ST_CLERK 2400.00 0.00 120 50
128 Steven Markle SMARKLE 650.124.1434 1987-07-15 ST_CLERK 2200.00 0.00 120 50
129 Laura Bissot LBISSOT 650.124.5234 1987-07-16 ST_CLERK 3300.00 0.00 121 50
130 Mozhe Atkinson MATKINSO 650.124.6234 1987-07-17 ST_CLERK 2800.00 0.00 121 50
131 James Marlow JAMRLOW 650.124.7234 1987-07-18 ST_CLERK 2500.00 0.00 121 50
132 TJ Olson TJOLSON 650.124.8234 1987-07-19 ST_CLERK 2100.00 0.00 121 50
133 Jason Mallin JMALLIN 650.127.1934 1987-07-20 ST_CLERK 3300.00 0.00 122 50
134 Michael Rogers MROGERS 650.127.1834 1987-07-21 ST_CLERK 2900.00 0.00 122 50
135 Ki Gee KGEE 650.127.1734 1987-07-22 ST_CLERK 2400.00 0.00 122 50



136 Hazel Philtanker HPHILTAN 650.127.1634 1987-07-23 ST_CLERK 2200.00 0.00 122 50
137 Renske Ladwig RLADWIG 650.121.1234 1987-07-24 ST_CLERK 3600.00 0.00 123 50
138 Stephen Stiles SSTILES 650.121.2034 1987-07-25 ST_CLERK 3200.00 0.00 123 50
139 John Seo JSEO 650.121.2019 1987-07-26 ST_CLERK 2700.00 0.00 123 50
140 Joshua Patel JPATEL 650.121.1834 1987-07-27 ST_CLERK 2500.00 0.00 123 50
141 Trenna Rajs TRAJS 650.121.8009 1987-07-28 ST_CLERK 3500.00 0.00 124 50
142 Curtis Davies CDAVIES 650.121.2994 1987-07-29 ST_CLERK 3100.00 0.00 124 50
143 Randall Matos RMATOS 650.121.2874 1987-07-30 ST_CLERK 2600.00 0.00 124 50
144 Peter Vargas PVARGAS 650.121.2004 1987-07-31 ST_CLERK 2500.00 0.00 124 50
145 John Russell JRUSSEL 011.44.1344.429268 1987-08-01 SA_MAN 14000.00 0.40 100 80
146 Karen Partners KPARTNER 011.44.1344.467268 1987-08-02 SA_MAN 13500.00 0.30 100 80
147 Alberto Errazuriz AERRAZUR 011.44.1344.429278 1987-08-03 SA_MAN 12000.00 0.30 100 80
148 Gerald Cambrault GCAMBRAU 011.44.1344.619268 1987-08-04 SA_MAN 11000.00 0.30 100 80
149 Eleni
150 Peter Tucker PTUCKER 011.44.1344.129268 1987-08-06 SA_REP 10000.00 0.30 145 80
151 David Bernstein DBERNSTE 011.44.1344.345268 1987-08-07 SA_REP 9500.00 0.25 145 80
152 Peter Hall PHALL 011.44.1344.478968 1987-08-08 SA_REP 9000.00 0.25 145 80
153 Christopher Olsen
154 Nanette Cambrault NCAMBRAU 011.44.1344.987668 1987-08-10 SA_REP 7500.00 0.20 145 80
155 Oliver Tuvault OTUVAULT 011.44.1344.486508 1987-08-11 SA_REP 7000.00 0.15 145 80
156 Janette King JKING 011.44.1345.429268 1987-08-12 SA_REP 10000.00 0.35 146 80
157 Patrick Sully PSULLY 011.44.1345.929268 1987-08-13 SA_REP 9500.00 0.35 146 80
158 Allan McEwen AMCEWEN 011.44.1345.829268 1987-08-14 SA_REP 9000.00 0.35 146 80



159 Lindsey Smith LSMITH 011.44.1345.729268 1987-08-15 SA_REP 8000.00 0.30 146 80
160 Louise Doran LDORAN 011.44.1345.629268 1987-08-16 SA_REP 7500.00 0.30 146 80
161 Sarath Sewall SSEWALL 011.44.1345.529268 1987-08-17 SA_REP 7000.00 0.25 146 80
162 Clara Vishney CVISHNEY 011.44.1346.129268 1987-08-18 SA_REP
10500.00 0.25 147 80
9500.00 0.15 147 80
7200.00 0.10 147 80
6800.00 0.10 147 80
6400.00 0.10 147 80 167 Amit Banda ABANDA 011.44.1346.729268 1987-08-23 SA_REP
6200.00 0.10 147 80 168 Lisa Ozer LOZER 011.44.1343.929268 1987-08-24 SA_REP
11500.00 0.25 148 80
169 Harrison Bloom HBLOOM 011.44.1343.829268 1987-08-25 SA_REP 10000.00 0.20 148 80
170 Tayler Fox TFOX 011.44.1343.729268 1987-08-26 SA_REP 9600.00 0.20 148 80
171 William Smith WSMITH 011.44.1343.629268 1987-08-27 SA_REP 7400.00 0.15 148 80
172 Elizabeth Bates EBATES 011.44.1343.529268 1987-08-28 SA_REP 7300.00 0.15 148 80
173 Sundita Kumar SKUMAR 011.44.1343.329268 1987-08-29 SA_REP 6100.00 0.10 148 80
174 Ellen Abel EABEL 011.44.1644.429267 1987-08-30 SA_REP 11000.00 0.30 149 80
175 Alyssa Hutton AHUTTON 011.44.1644.429266 1987-08-31 SA_REP 8800.00 0.25 149 80
176 Jonathon Taylor JTAYLOR 011.44.1644.429265 1987-09-01 SA_REP 8600.00 0.20 149 80
177 Jack Livingston JLIVINGS 011.44.1644.429264 1987-09-02 SA_REP 8400.00 0.20 149 80
178 Kimberely Grant KGRANT 011.44.1644.429263 1987-09-03 SA_REP 7000.00 0.15 149 0
179 Charles Johnson CJOHNSON 011.44.1644.429262 1987-09-04 SA_REP 6200.00 0.10 149 80
180 Winston Taylor WTAYLOR 650.507.9876 1987-09-05 SH_CLERK 3200.00 0.00 120 50
181 Jean Fleaur JFLEAUR 650.507.9877 1987-09-06 SH_CLERK 3100.00 0.00 120 50



1 100 Months C.
182 Martha Sullivan MSULLIVA 650.507.9878 1987-09-07 SH_CLERK 2500.00 0.00 120 50
183 Girard Geoni GGEONI 650.507.9879 1987-09-08 SH_CLERK 2800.00 0.00 120 50
184 Nandita Sarchand NSARCHAN 650.509.1876 1987-09-09 SH_CLERK
4200.00 0.00 121 50
185 Alexis Bull ABULL 650.509.2876 1987-09-10 SH_CLERK 4100.00 0.00 121 50
186 Julia Dellinger JDELLING 650.509.3876 1987-09-11 SH_CLERK
3400.00 0.00 121 50 187 Anthony Cabrio ACABRIO 650.509.4876 1987-09-12 SH_CLERK
3000.00 0.00 121 50
188 Kelly Chung KCHUNG 650.505.1876 1987-09-13 SH_CLERK 3800.00 0.00 122 50
189 Jennifer Dilly JDILLY 650.505.2876 1987-09-14 SH_CLERK
3600.00 0.00 122 50
190 Timothy Gates TGATES 650.505.3876 1987-09-15 SH_CLERK 2900.00 0.00 122 50
191 Randall Perkins RPERKINS 650.505.4876 1987-09-16 SH_CLERK
2500.00 0.00 122 50
192 Sarah Bell SBELL 650.501.1876 1987-09-17 SH_CLERK
4000.00 0.00 123 50
193 Britney Everett BEVERETT 650.501.2876 1987-09-18 SH_CLERK 3900.00 0.00 123 50
194 Samuel McCain SMCCAIN 650.501.3876 1987-09-19 SH_CLERK
3200.00 0.00 123 50 195 Vance Jones VJONES 650.501.4876 1987-09-20 SH_CLERK
2800.00 0.00 123 50
196 Alana Walsh AWALSH 650.507.9811 1987-09-21 SH_CLERK 3100.00 0.00 124 50
197 Kevin Feeney KFEENEY 650.507.9822 1987-09-22 SH_CLERK
3000.00 0.00 124 50 198 Donald OConnell DOCONNEL 650.507.9833 1987-09-23 SH_CLERK
198 Bohald Geoffiel Boeofffel 030.307.9833 1987-09-23 311_CLERK
199 Douglas Grant DGRANT 650.507.9844 1987-09-24 SH_CLERK 2600.00 0.00 124 50
200 Jennifer Whalen JWHALEN 515.123.4444 1987-09-25 AD_ASST
4400.00 0.00 101 10
201 Michael Hartstein MHARTSTE 515.123.5555 1987-09-26 MK_MAN 13000.00 0.00 100 20
202 Pat Fay PFAY 603.123.6666 1987-09-27 MK_REP 6000.00 0.00 201 20
203 Susan Mavris SMAVRIS 515.123.7777 1987-09-28 HR_REP 6500.00 0.00 101 40
204 Hermann Baer HBAER 515.123.8888 1987-09-29 PR_REP 10000.00 0.00 101 70



205	Shelley H	liggins	SHIGGINS 515.	123.8080	1987-09-30 AC_MGR	
12000.00	0.00	101	110			
206	William 0	Gietz \	WGIETZ 515.12	23.8181	1987-10-01 AC_ACCOUN	T
8300.00	0.00	205	110			

```
SELECT job_id, MAX(salary)

FROM employees

GROUP BY job_id

HAVING MAX(salary) >=4000;
```

14. Write a query to get the average salary for all departments employing more than 10 employees.

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 1987-06-17 AD_PRES
24000.00 0.00 0 90
101 Neena Kochhar NKOCHHAR 515.123.4568 1987-06-18 AD_VP
17000.00 0.00 100 90
102 Lex
17000.00 0.00 100 90
103 Alexander Hunold AHUNOLD 590.423.4567 1987-06-20 IT_PROG
9000.00 0.00 102 60
104 Bruce Ernst BERNST 590.423.4568 1987-06-21 IT_PROG
6000.00 0.00 103 60
105 David Austin DAUSTIN 590.423.4569 1987-06-22 IT_PROG
4800.00 0.00 103 60
106 Valli Pataballa VPATABAL 590.423.4560 1987-06-23 IT_PROG
4800.00 0.00 103 60
107 Diana Lorentz DLORENTZ 590.423.5567 1987-06-24 IT_PROG
107 Blatta
108 Nancy Greenberg NGREENBE 515.124.4569 1987-06-25 FI_MGR
12000.00 0.00 101 100
109 Daniel Faviet DFAVIET 515.124.4169 1987-06-26 FI_ACCOUNT
9000.00 0.00 108 100
110 John Chen JCHEN 515.124.4269 1987-06-27 FI_ACCOUNT
8200.00 0.00 108 100
111 Ismael Sciarra ISCIARRA 515.124.4369 1987-06-28 FI_ACCOUNT



112 Jose Manuel Urman JMURMAN 515.124.4469 1987-06-29 FI_ACCOUNT
7800.00 0.00 108 100
113 Luis Popp LPOPP 515.124.4567 1987-06-30 FI_ACCOUNT
6900.00 0.00 108 100
114 Den Raphaely DRAPHEAL 515.127.4561 1987-07-01 PU_MAN 11000.00 0.00 100 30
115 Alexander Khoo AKHOO 515.127.4562 1987-07-02 PU_CLERK 3100.00 0.00 114 30
116 Shelli Baida SBAIDA 515.127.4563 1987-07-03 PU_CLERK 2900.00 0.00 114 30
117 Sigal Tobias STOBIAS 515.127.4564 1987-07-04 PU_CLERK
2800.00 0.00 114 30
2600.00 0.00 114 30
119 Karen Colmenares KCOLMENA 515.127.4566 1987-07-06 PU_CLERK 2500.00 0.00 114 30
120 Matthew Weiss MWEISS 650.123.1234 1987-07-07 ST_MAN
8000.00 0.00 100 50
121 Adam Fripp AFRIPP 650.123.2234 1987-07-08 ST_MAN 8200.00 0.00 100 50
122 Payam Kaufling PKAUFLIN 650.123.3234 1987-07-09 ST_MAN
7900.00 0.00 100 50
123 Shanta Vollman SVOLLMAN 650.123.4234 1987-07-10 ST_MAN 6500.00 0.00 100 50
124 Kevin Mourgos KMOURGOS 650.123.5234 1987-07-11 ST MAN
5800.00 0.00 100 50
125 Julia Nayer JNAYER 650.124.1214 1987-07-12 ST_CLERK 3200.00 0.00 120 50
126 Irene Mikkilineni IMIKKILI 650.124.1224 1987-07-13 ST_CLERK
2700.00 0.00 120 50
127 James Landry JLANDRY 650.124.1334 1987-07-14 ST_CLERK 2400.00 0.00 120 50
2400.00 0.00 120 50
129 Laura Bissot LBISSOT 650.124.5234 1987-07-16 ST_CLERK
3300.00 0.00 121 50
130 Mozhe Atkinson MATKINSO 650.124.6234 1987-07-17 ST_CLERK 2800.00 0.00 121 50
131 James Marlow JAMRLOW 650.124.7234 1987-07-18 ST_CLERK 2500.00 0.00 121 50
132 TJ Olson TJOLSON 650.124.8234 1987-07-19 ST_CLERK 2100.00 0.00 121 50
133 Jason Mallin JMALLIN 650.127.1934 1987-07-20 ST_CLERK 3300.00 0.00 122 50
134 Michael Rogers MROGERS 650.127.1834 1987-07-21 ST_CLERK 2900.00 0.00 122 50



135 Ki
136 Hazel Philtanker HPHILTAN 650.127.1634 1987-07-23 ST_CLERK 2200.00 0.00 122 50 137 Renske Ladwig RLADWIG 650.121.1234 1987-07-24 ST_CLERK
137 Renske Ladwig RLADWIG 650,121,1234 1987-07-24 ST CLERK
13/ Renske Ladwig RLADWIG 650.121.1234 1987-07-24 ST_CLERK 3600.00
138 Stephen Stiles SSTILES 650.121.2034 1987-07-25 ST_CLERK
3200.00 0.00 123 50
139 John Seo JSEO 650.121.2019 1987-07-26 ST_CLERK
2700.00 0.00 123 50
140 Joshua Patel JPATEL 650.121.1834 1987-07-27 ST_CLERK
2500.00 0.00 123 50 141 Trenna Rajs TRAJS 650.121.8009 1987-07-28 ST_CLERK
141 Hellia Rajs FRAJS 630.121.8009 1987-07-28 31_CLERK
142 Curtis Davies CDAVIES 650.121.2994 1987-07-29 ST_CLERK
3100.00 0.00 124 50
143 Randall Matos RMATOS 650.121.2874 1987-07-30 ST_CLERK
2600.00 0.00 124 50
144 Peter Vargas PVARGAS 650.121.2004 1987-07-31 ST_CLERK 2500.00 0.00 124 50
145 John Russell JRUSSEL 011.44.1344.429268 1987-08-01 SA_MAN
14000.00 0.40 100 80
146 Karen Partners KPARTNER 011.44.1344.467268 1987-08-02 SA_MAN
13500.00 0.30 100 80
147 Alberto Errazuriz AERRAZUR 011.44.1344.429278 1987-08-03 SA_MAN 12000.00 0.30 100 80
148 Gerald Cambrault GCAMBRAU 011.44.1344.619268 1987-08-04 SA_MAN
11000.00 0.30 100 80
149 Eleni Zlotkey EZLOTKEY 011.44.1344.429018 1987-08-05 SA_MAN
10500.00 0.20 100 80
150 Peter Tucker PTUCKER 011.44.1344.129268 1987-08-06 SA_REP
10000.00 0.30 145 80
151 David Bernstein DBERNSTE 011.44.1344.345268 1987-08-07 SA_REP 9500.00 0.25 145 80
152 Peter Hall PHALL 011.44.1344.478968 1987-08-08 SA_REP
9000.00 0.25 145 80
153 Christopher Olsen COLSEN 011.44.1344.498718 1987-08-09 SA_REP 8000.00 0.20 145 80
154 Nanette Cambrault NCAMBRAU 011.44.1344.987668 1987-08-10 SA_REP 7500.00 0.20 145 80
155 Oliver Tuvault OTUVAULT 011.44.1344.486508 1987-08-11 SA_REP 7000.00 0.15 145 80
156 Janette King JKING 011.44.1345.429268 1987-08-12 SA_REP
10000.00 0.35 146 80
157 Patrick Sully PSULLY 011.44.1345.929268 1987-08-13 SA_REP 9500.00 0.35 146 80



158 Allan McEwen AMCEWEN 011.44.1345.829268 1987-08-14 SA_REP 9000.00 0.35 146 80
159 Lindsey Smith LSMITH 011.44.1345.729268 1987-08-15 SA_REP 8000.00 0.30 146 80
160 Louise Doran LDORAN 011.44.1345.629268 1987-08-16 SA_REP 7500.00 0.30 146 80
161 Sarath Sewall SSEWALL 011.44.1345.529268 1987-08-17 SA_REP 7000.00 0.25 146 80
162 Clara Vishney CVISHNEY 011.44.1346.129268 1987-08-18 SA_REP 10500.00 0.25 147 80
163 Danielle Greene DGREENE 011.44.1346.229268 1987-08-19 SA_REP 9500.00 0.15 147 80
164 Mattea Marvins MMARVINS 011.44.1346.329268 1987-08-20 SA_REP 7200.00 0.10 147 80
165 David Lee DLEE 011.44.1346.529268 1987-08-21 SA_REP 6800.00 0.10 147 80
166 Sundar Ande SANDE 011.44.1346.629268 1987-08-22 SA_REP 6400.00 0.10 147 80
167 Amit
168 Lisa Ozer LOZER 011.44.1343.929268 1987-08-24 SA_REP 11500.00 0.25 148 80
169 Harrison Bloom HBLOOM 011.44.1343.829268 1987-08-25 SA_REP 10000.00 0.20 148 80
170 Tayler Fox TFOX 011.44.1343.729268 1987-08-26 SA_REP 9600.00 0.20 148 80
171 William Smith WSMITH 011.44.1343.629268 1987-08-27 SA_REP 7400.00 0.15 148 80
172 Elizabeth Bates EBATES 011.44.1343.529268 1987-08-28 SA_REP 7300.00 0.15 148 80
173 Sundita Kumar SKUMAR 011.44.1343.329268 1987-08-29 SA_REP 6100.00 0.10 148 80
174 Ellen Abel EABEL 011.44.1644.429267 1987-08-30 SA_REP 11000.00 0.30 149 80
175 Alyssa Hutton AHUTTON 011.44.1644.429266 1987-08-31 SA_REP 8800.00 0.25 149 80
176 Jonathon Taylor JTAYLOR 011.44.1644.429265 1987-09-01 SA_REP 8600.00 0.20 149 80
177 Jack Livingston JLIVINGS 011.44.1644.429264 1987-09-02 SA_REP 8400.00 0.20 149 80
178 Kimberely Grant KGRANT 011.44.1644.429263 1987-09-03 SA_REP 7000.00 0.15 149 0
179 Charles Johnson CJOHNSON 011.44.1644.429262 1987-09-04 SA_REP 6200.00 0.10 149 80
180 Winston Taylor WTAYLOR 650.507.9876 1987-09-05 SH_CLERK 3200.00 0.00 120 50



181 Jean Fleaur JFLEAUR 650.507.9877 1987-09-06 SH_CLERK 3100.00 0.00 120 50 182 Martha Sullivan MSULLIVA 650.507.9878 1987-09-07 SH_CLERK
182 Martha Sullivan MSULLIVA 650.507.9878 1987-09-07 SH_CLERK
12500 00 1 0 00 1 120 1 50 1
2500.00 0.00 120 50 183 Girard Geoni GGEONI 650.507.9879 1987-09-08 SH_CLERK
2800.00 0.00 120 50
184 Nandita Sarchand NSARCHAN 650.509.1876 1987-09-09 SH_CLERK 4200.00 0.00 121 50
185 Alexis Bull ABULL 650.509.2876 1987-09-10 SH_CLERK
4100.00 0.00 121 50
186 Julia Dellinger JDELLING 650.509.3876 1987-09-11 SH_CLERK
3400.00 0.00 121 50 187 Anthony Cabrio ACABRIO 650.509.4876 1987-09-12 SH_CLERK
3000.00 0.00 121 50
188 Kelly Chung KCHUNG 650.505.1876 1987-09-13 SH_CLERK
3800.00 0.00 122 50
189 Jennifer Dilly JDILLY 650.505.2876 1987-09-14 SH_CLERK 3600.00 0.00 122 50
190 Timothy Gates TGATES 650.505.3876 1987-09-15 SH_CLERK
2900.00 0.00 122 50
191 Randall Perkins RPERKINS 650.505.4876 1987-09-16 SH_CLERK
2500.00 0.00 122 50
192 Sarah Bell SBELL 650.501.1876 1987-09-17 SH_CLERK 4000.00 0.00 123 50
193 Britney Everett BEVERETT 650.501.2876 1987-09-18 SH_CLERK
3900.00 0.00 123 50
194 Samuel McCain SMCCAIN 650.501.3876 1987-09-19 SH_CLERK 3200.00 0.00 123 50
195 Vance Jones VJONES 650.501.4876 1987-09-20 SH_CLERK
2800.00 0.00 123 50
196 Alana Walsh AWALSH 650.507.9811 1987-09-21 SH_CLERK 3100.00 0.00 124 50
197 Kevin Feeney KFEENEY 650.507.9822 1987-09-22 SH_CLERK
3000.00 0.00 124 50
198 Donald OConnell DOCONNEL 650.507.9833 1987-09-23 SH_CLERK 2600.00 0.00 124 50
199 Douglas Grant DGRANT 650.507.9844 1987-09-24 SH_CLERK
2600.00 0.00 124 50
200 Jennifer Whalen JWHALEN 515.123.4444 1987-09-25 AD_ASST 4400.00 0.00 101 10
201 Michael Hartstein MHARTSTE 515.123.5555 1987-09-26 MK_MAN 13000.00 0.00 100 20
202 Pat
203 Susan Mavris SMAVRIS 515.123.7777 1987-09-28 HR_REP 6500.00 0.00 101 40



204 Hermann Baer	HBAER 515.123.8888	1987-09-29 PR_REP
10000.00 0.00 101	70	
205 Shelley Higgins	SHIGGINS 515.123.8080	1987-09-30 AC_MGR
12000.00 0.00 101	110	
206 William Gietz	WGIETZ 515.123.8181	1987-10-01 AC_ACCOUNT
8300.00 0.00 205	110	

SELECT department_id, AVG(salary), COUNT(*)

FROM employees
GROUP BY department_id
HAVING COUNT(*) > 10;