```
 1  mysql> SOURCE C:\ITDADM\HW\HW3\Salamone_Sonny_HW3P1.sql
 2  --------------
 3  #Salamone, Sonny
 4  --------------
 5  # HW3P1
 6  --------------
 7  # Fall 2024
 8  --------------
 9  # ISTE.230.01
10
11  --------------
12  UPDATE Country SET headOfState = 'Donald J. Trump' WHERE name = 'United States'
13  --------------
14
15  Query OK, 0 rows affected (0.00 sec)
16  Rows matched: 1  Changed: 0  Warnings: 0
17
18  --------------
19  #1. Date and Time
20  --------------
21
22  Query OK, 0 rows affected (0.00 sec)
23
24  --------------
25  SELECT now()
26  --------------
27
28  +---------------------+
29  | now()               |
30  +---------------------+
31  | 2024-09-19 22:06:50 |
32  +---------------------+
33  1 row in set (0.00 sec)
34
35  Database changed
36  --------------
37  #2 Head of State for USA
38  --------------
39
40  Query OK, 0 rows affected (0.00 sec)
41
42  --------------
```

```
43   SELECT headOfState FROM Country WHERE name = 'United States'
44   --------------
45
46   +----------------+
47   | headOfState    |
48   +----------------+
49   | Donald J. Trump |
50   +----------------+
51   1 row in set (0.00 sec)
52
53   --------------
54   #3 Change head of state
55   --------------
56
57   Query OK, 0 rows affected (0.00 sec)
58
59   --------------
60   UPDATE Country SET headOfState = 'Joseph R. Biden Jr.' WHERE name = 'United States'
61   --------------
62
63   Query OK, 1 row affected (0.00 sec)
64   Rows matched: 1  Changed: 1  Warnings: 0
65
66   --------------
67   #4 country's where independance year is not specified
68   --------------
69
70   Query OK, 0 rows affected (0.00 sec)
71
72   --------------
73   SELECT name FROM Country WHERE indepYear IS NULL
74   --------------
75
76   +----------------------------------------------+
77   | name                                         |
78   +----------------------------------------------+
79   | Aruba                                        |
80   | Anguilla                                     |
81   | Netherlands Antilles                         |
82   | American Samoa                               |
83   | Antarctica                                   |
84   | French Southern territories                  |
```

```
 85  | Bermuda                                    |
 86  | Bouvet Island                              |
 87  | Cocos (Keeling) Islands                    |
 88  | Cook Islands                               |
 89  | Christmas Island                           |
 90  | Cayman Islands                             |
 91  | Western Sahara                             |
 92  | Falkland Islands                           |
 93  | Faroe Islands                              |
 94  | Gibraltar                                  |
 95  | Guadeloupe                                 |
 96  | Greenland                                  |
 97  | French Guiana                              |
 98  | Guam                                       |
 99  | Hong Kong                                  |
100  | Heard Island and McDonald Islands          |
101  | British Indian Ocean Territory             |
102  | Macao                                      |
103  | Northern Mariana Islands                   |
104  | Montserrat                                 |
105  | Martinique                                 |
106  | Mayotte                                    |
107  | New Caledonia                              |
108  | Norfolk Island                             |
109  | Niue                                       |
110  | Pitcairn                                   |
111  | Puerto Rico                                |
112  | Palestine                                  |
113  | French Polynesia                          |
114  | RÈunion                                   |
115  | South Georgia and the South Sandwich Islands |
116  | Saint Helena                               |
117  | Svalbard and Jan Mayen                     |
118  | Saint Pierre and Miquelon                  |
119  | Turks and Caicos Islands                   |
120  | Tokelau                                    |
121  | East Timor                                 |
122  | United States Minor Outlying Islands       |
123  | Virgin Islands, British                    |
124  | Virgin Islands, U.S.                       |
125  | Wallis and Futuna                          |
126  +--------------------------------------------+
```

```
127  47 rows in set (0.00 sec)
128
129  --------------
130  #5 name and continet where pop is 1 billion or more and life expectancy is 70-80
131  --------------
132
133  Query OK, 0 rows affected (0.00 sec)
134
135  --------------
136  SELECT name, continent FROM Country WHERE lifeExpectancy >=70 AND lifeExpectancy <=80 AND population >=
     1000000000
137  --------------
138
139  +-------+-----------+
140  | name  | continent |
141  +-------+-----------+
142  | China | Asia      |
143  +-------+-----------+
144  1 row in set (0.00 sec)
145
146  --------------
147  #6 list countries located in North and South America
148  --------------
149
150  Query OK, 0 rows affected (0.00 sec)
151
152  --------------
153  SELECT name FROM Country WHERE continent = 'North America' OR continent = 'South America'
154  --------------
155
156  +--------------------------------+
157  | name                           |
158  +--------------------------------+
159  | Aruba                          |
160  | Anguilla                       |
161  | Netherlands Antilles           |
162  | Argentina                      |
163  | Antigua and Barbuda            |
164  | Bahamas                        |
165  | Belize                         |
166  | Bermuda                        |
167  | Bolivia                        |
```

```
168  |  Brazil                             |
169  |  Barbados                           |
170  |  Canada                             |
171  |  Chile                              |
172  |  Colombia                           |
173  |  Costa Rica                         |
174  |  Cuba                               |
175  |  Cayman Islands                     |
176  |  Dominica                           |
177  |  Dominican Republic                 |
178  |  Ecuador                            |
179  |  Falkland Islands                   |
180  |  Guadeloupe                         |
181  |  Grenada                            |
182  |  Greenland                          |
183  |  Guatemala                          |
184  |  French Guiana                      |
185  |  Guyana                             |
186  |  Honduras                           |
187  |  Haiti                              |
188  |  Jamaica                            |
189  |  Saint Kitts and Nevis              |
190  |  Saint Lucia                        |
191  |  Mexico                             |
192  |  Montserrat                         |
193  |  Martinique                         |
194  |  Nicaragua                          |
195  |  Panama                             |
196  |  Peru                               |
197  |  Puerto Rico                        |
198  |  Paraguay                           |
199  |  El Salvador                        |
200  |  Saint Pierre and Miquelon          |
201  |  Suriname                           |
202  |  Turks and Caicos Islands           |
203  |  Trinidad and Tobago                |
204  |  Uruguay                            |
205  |  United States                      |
206  |  Saint Vincent and the Grenadines   |
207  |  Venezuela                          |
208  |  Virgin Islands, British            |
209  |  Virgin Islands, U.S.               |
```

```
210  +---------------------------------+
211  51 rows in set (0.00 sec)
212
213  --------------
214  #7 name conutries where life expectancy is less than 46 and order
215  --------------
216
217  Query OK, 0 rows affected (0.00 sec)
218
219  --------------
220  SELECT name, lifeExpectancy FROM Country WHERE lifeExpectancy <46 ORDER BY lifeExpectancy DESC
221  --------------
222
223  +--------------------------+----------------+
224  | name                     | lifeExpectancy |
225  +--------------------------+----------------+
226  | Afghanistan              |           45.9 |
227  | Guinea                   |           45.6 |
228  | Sierra Leone             |           45.3 |
229  | CÙte díIvoire            |          45.2 |
230  | Ethiopia                 |           45.2 |
231  | Central African Republic |           44.0 |
232  | Uganda                   |           42.9 |
233  | Namibia                  |           42.5 |
234  | Niger                    |           41.3 |
235  | Swaziland                |           40.4 |
236  | Botswana                 |           39.3 |
237  | Rwanda                   |           39.3 |
238  | Angola                   |           38.3 |
239  | Zimbabwe                 |           37.8 |
240  | Malawi                   |           37.6 |
241  | Mozambique               |           37.5 |
242  | Zambia                   |           37.2 |
243  +--------------------------+----------------+
244  17 rows in set (0.00 sec)
245
246  --------------
247  #Salamone, Sonny
248  --------------
249  # HW3P2
250  --------------
251  # Fall 2024
```

```
252   --------------
253   # ISTE.230.01
254   --------------
255
256   Database changed
257   --------------
258   #Task 1 bunch of inserts
259   --------------
260
261   Query OK, 0 rows affected (0.00 sec)
262
263   --------------
264   INSERT INTO contactInfo(contactID, firstName, middleInitial, lastName, email, url, birthday, notes)
265   VALUES(2, 'Sonny', 'R', 'Salamone', 'srs1520@rit.edu', NULL, '2004-05-15' , 'Super Cool')
266   --------------
267
268   Query OK, 1 row affected (0.00 sec)
269
270   --------------
271   INSERT INTO contactInfo(contactID, firstname, middleInitial, lastName, email, url, birthday, notes)
272   VALUES(3, 'Eli', 'T', 'Wallowby', 'etwallowby@concor.com ', 'www.concor.com/~wallowby', '1956-03-26' , 'All
      meetings must be scheduled through his assistant.')
273   --------------
274
275   Query OK, 1 row affected (0.00 sec)
276
277   --------------
278   INSERT INTO contactInfo(contactID, firstname, middleInitial, lastName, email, url, birthday, notes)
279   VALUES(4, 'Eve', 'C', 'Sampson', 'esampson@concor.com', NULL, '1972-05-11', 'Very helpful.')
280   --------------
281
282   Query OK, 1 row affected (0.00 sec)
283
284   --------------
285   INSERT INTO contactInfo(contactID, firstname, middleInitial, lastName, email, url, birthday, notes)
286   VALUES(5, 'Carson', 'B', 'Cambell', 'cbc232@mvch.org', NULL, '1955-01-05', 'Wife: Lisa Kids: Lucas, Lucy, and
      Lucinda.')
287   --------------
288
289   Query OK, 1 row affected (0.00 sec)
290
291   --------------
```

```
292  #Task 2 modify table
293  --------------
294
295  Query OK, 0 rows affected (0.00 sec)
296
297  --------------
298  ALTER TABLE contactInfo
299  ADD nickname    VARCHAR(20) DEFAULT 'To Be Determined'
300  --------------
301
302  Query OK, 0 rows affected (0.01 sec)
303  Records: 0  Duplicates: 0  Warnings: 0
304
305  --------------
306  DESC contactInfo
307  --------------
308
309  +---------------+--------------+------+-----+-----------------+-------+
310  | Field         | Type         | Null | Key | Default         | Extra |
311  +---------------+--------------+------+-----+-----------------+-------+
312  | contactID     | int          | NO   | PRI | NULL            |       |
313  | firstName     | varchar(15)  | YES  |     | NULL            |       |
314  | middleInitial | char(1)      | YES  |     | NULL            |       |
315  | lastName      | varchar(25)  | YES  |     | NULL            |       |
316  | email         | varchar(40)  | YES  |     | NULL            |       |
317  | url           | varchar(55)  | YES  |     | NULL            |       |
318  | birthday      | date         | YES  |     | NULL            |       |
319  | notes         | varchar(255) | YES  |     | NULL            |       |
320  | nickname      | varchar(20)  | YES  |     | To Be Determined |      |
321  +---------------+--------------+------+-----+-----------------+-------+
322  9 rows in set (0.00 sec)
323
324  --------------
325  #Task 3 add required fields
326  --------------
327
328  Query OK, 0 rows affected (0.00 sec)
329
330  --------------
331  ALTER TABLE contactInfo
332  MODIFY COLUMN firstName VARCHAR(15) NOT NULL
333  --------------
```

```
334
335   Query OK, 0 rows affected (0.05 sec)
336   Records: 0  Duplicates: 0  Warnings: 0
337
338   --------------
339   ALTER TABLE contactInfo
340   MODIFY COLUMN lastName VARCHAR(15) NOT NULL
341   --------------
342
343   Query OK, 5 rows affected (0.04 sec)
344   Records: 5  Duplicates: 0  Warnings: 0
345
346   --------------
347   DESC contactInfo
348   --------------
349
350   +--------------+--------------+------+-----+-----------------+-------+
351   | Field        | Type         | Null | Key | Default         | Extra |
352   +--------------+--------------+------+-----+-----------------+-------+
353   | contactID    | int          | NO   | PRI | NULL            |       |
354   | firstName    | varchar(15)  | NO   |     | NULL            |       |
355   | middleInitial| char(1)      | YES  |     | NULL            |       |
356   | lastName     | varchar(15)  | NO   |     | NULL            |       |
357   | email        | varchar(40)  | YES  |     | NULL            |       |
358   | url          | varchar(55)  | YES  |     | NULL            |       |
359   | birthday     | date         | YES  |     | NULL            |       |
360   | notes        | varchar(255) | YES  |     | NULL            |       |
361   | nickname     | varchar(20)  | YES  |     | To Be Determined|       |
362   +--------------+--------------+------+-----+-----------------+-------+
363   9 rows in set (0.00 sec)
364
365   --------------
366   #Task 4 give munson a nickname
367   --------------
368
369   Query OK, 0 rows affected (0.00 sec)
370
371   --------------
372   UPDATE contactInfo SET nickname = 'Dave' WHERE contactID = 1
373   --------------
374
375   Query OK, 1 row affected (0.00 sec)
```

```
376  Rows matched: 1  Changed: 1  Warnings: 0
377
378  --------------
379  SELECT * FROM contactInfo
380  --------------
381
382  +-----------+-----------+---------------+----------+--------------------------+----------------------------+----
     --------+-------------------------------------------------+-----------------+
383  | contactID | firstName | middleInitial | lastName | email                    | url                        |
     birthday   | notes                                                             | nickname        |
384  +-----------+-----------+---------------+----------+--------------------------+----------------------------+----
     --------+-------------------------------------------------+-----------------+
385  |         1 | David     | C             | Munson   | munson@rit.edu           | http://www.rit.edu/president |
     NULL       | Started as President of RIT on July 1, 2017.                      | Dave            |
386  |         2 | Sonny     | R             | Salamone | srs1520@rit.edu          | NULL                       |
     2004-05-15 | Super Cool                                                        | To Be Determined |
387  |         3 | Eli       | T             | Wallowby | etwallowby@concor.com    | www.concor.com/~wallowby   |
     1956-03-26 | All meetings must be scheduled through his assistant. | To Be Determined |
388  |         4 | Eve       | C             | Sampson  | esampson@concor.com      | NULL                       |
     1972-05-11 | Very helpful.                                                     | To Be Determined |
389  |         5 | Carson    | B             | Cambell  | cbc232@mvch.org          | NULL                       |
     1955-01-05 | Wife: Lisa Kids: Lucas, Lucy, and Lucinda.                        | To Be Determined |
390  +-----------+-----------+---------------+----------+--------------------------+----------------------------+----
     --------+-------------------------------------------------+-----------------+
391  5 rows in set (0.00 sec)
392
393  --------------
394  #Task 5 delete record
395  --------------
396
397  Query OK, 0 rows affected (0.00 sec)
398
399  --------------
400  DELETE FROM contactInfo WHERE url = 'www.concor.com/~wallowby'
401  --------------
402
403  Query OK, 1 row affected (0.00 sec)
404
405  --------------
406  SELECT * FROM contactInfo
407  --------------
408
```

```
409  +-----------+-----------+---------------+----------+-------------------+---------------------------+-------
     -----+-------------------------------------------+-----------------+
410  | contactID | firstName | middleInitial | lastName | email             | url                       |
     birthday   | notes                                     | nickname        |
411  +-----------+-----------+---------------+----------+-------------------+---------------------------+-------
     -----+-------------------------------------------+-----------------+
412  |         1 | David     | C             | Munson   | munson@rit.edu    | http://www.rit.edu/president | NULL
     | Started as President of RIT on July 1, 2017. | Dave            |
413  |         2 | Sonny     | R             | Salamone | srs1520@rit.edu   | NULL                      |
     2004-05-15 | Super Cool                                | To Be Determined |
414  |         4 | Eve       | C             | Sampson  | esampson@concor.com | NULL                    |
     1972-05-11 | Very helpful.                             | To Be Determined |
415  |         5 | Carson    | B             | Cambell  | cbc232@mvch.org   | NULL                      |
     1955-01-05 | Wife: Lisa Kids: Lucas, Lucy, and Lucinda. | To Be Determined |
416  +-----------+-----------+---------------+----------+-------------------+---------------------------+-------
     -----+-------------------------------------------+-----------------+
417  4 rows in set (0.00 sec)
418
419
```