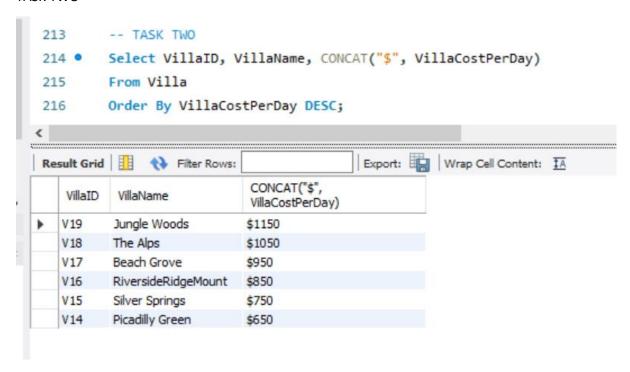
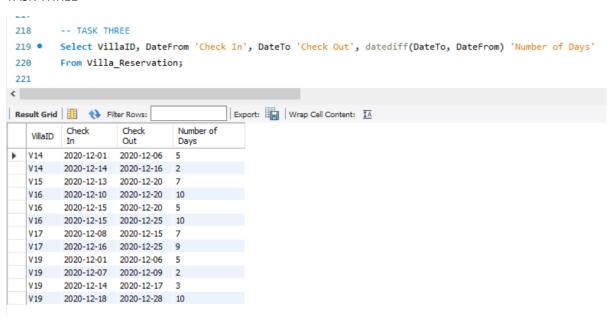
COMP1350: INTRODUCTION TO DATABASE DESIGN AND MANAGEMENT

ASSIGNMENT TWO

TASK TWO



TASK THREE



TASK FOUR

```
222
          -- TASK FOUR
223 •
          SELECT vt.VillaTypeName, v.VillaName, v.VillaCostPerDay
          FROM VillaType vt, Villa v
224
          WHERE vt.VillaTypeID = v.VillaTypeID
225
          AND vt.VillaTypeName LIKE '%Two Bedroom%';
226
Result Grid
                                               Export: Wrap Cell Content: $\frac{1}{4}
               Filter Rows:
    VillaTypeName
                                                       VillaCostPerDay
                                    VillaName
   Two Bedroom River View with a Pool
                                   RiversideRidgeMount
                                                      850
   Two Bedroom Beachfront with a Pool
                                   Beach Grove
                                                      950
```

TASK FIVE

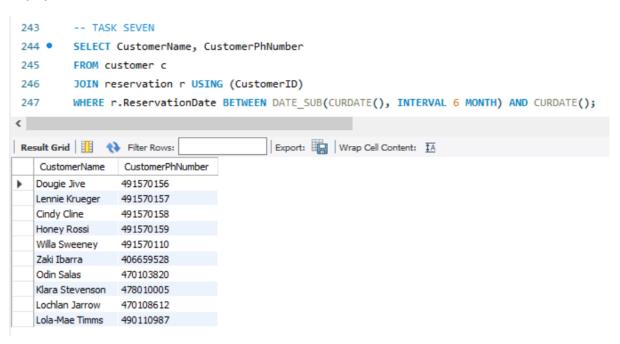
```
228
        -- TASK FIVE
       SELECT DISTINCT r.ReservationID
       FROM reservation r, payment p
230
       WHERE r.ReservationID = p.ReservationID AND
231
        p.PaymentDate BETWEEN r.ReservationDate AND DATE_ADD(r.ReservationDate, INTERVAL 5 DAY);
232
Export: Wrap Cell Content: IA
   ReservationID
 R321
  R322
  R323
  R324
  R325
  R326
  R327
  R328
  R329
  R330
```

TASK SIX

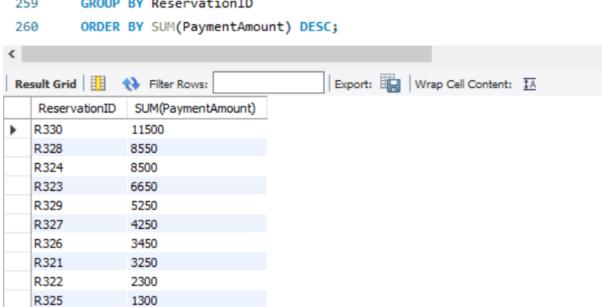
```
234
         -- TASK SIX
235 •
         SELECT CustomerName, CustomerPhNumber
         FROM customer
236

→ WHERE CustomerID IN (
237
         SELECT r.CustomerID
238
239
         FROM reservation r
         WHERE r.ReservationDate BETWEEN DATE_SUB(CURDATE(), INTERVAL 6 MONTH) AND CURDATE()
240
241
<
                                          Export: Wrap Cell Content: IA
CustomerName
               CustomerPhNumber
Dougie Jive
                 491570156
   Lennie Krueger 491570157
   Cindy Cline
                 491570158
   Honey Rossi
                491570159
   Willa Sweeney
                 491570110
   Zaki Ibarra
                406659528
   Odin Salas
                470103820
   Klara Stevenson 4780 10005
   Lochlan Jarrow
                 470108612
   Lola-Mae Timms 490110987
```

TASK SEVEN



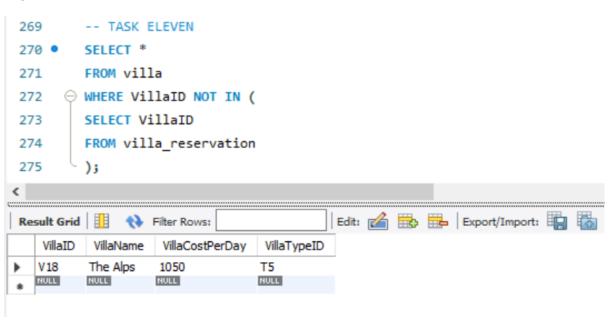
```
TASK EIGHT
         -- TASK EIGHT
  249
         SELECT DISTINCT CustomerName
         FROM customer c, reservation r, villa_reservation vr, villa v
         WHERE c.CustomerID = r.CustomerID AND r.ReservationID = vr.Villa_ReservationID
  252
         AND vr.VillaID = v.VillaID
  253
         AND v.VillaCostPerDay < 1000;
  254
  255
 Export: Wrap Cell Content: IA
    CustomerName
   Dougie Jive
    Willa Sweeney
    Lochlan Jarrow
    Honey Rossi
    Odin Salas
    Klara Stevenson
    Cindy Cline
TASK NINE
 256
            -- TASK NINE
  257 •
            SELECT ReservationID, SUM(PaymentAmount)
  258
            FROM payment
            GROUP BY ReservationID
  259
```



TASK TEN

```
261
262
         -- TASK TEN
         SELECT r.ReservationID, r.ReservationDate, COUNT(vr.Villa_ReservationID) 'No. of Villas'
264
         FROM reservation r, villa_reservation vr
265
         WHERE r.ReservationID = vr.Villa_ReservationID
         GROUP BY r.ReservationID
266
<
Export: Wrap Cell Content: IA
                             No. of
   ReservationID ReservationDate
                             Villas
  R321
               2020-06-12
  R328
               2020-07-01
                            2
```

TASK ELEVEN



TASK TWELVE

```
277
        -- TASK TWELVE
        SELECT *
278
279
        FROM payment
        WHERE PaymentAmount > 1500
280
        AND (MONTH(PaymentDate) = 1 OR YEAR(PaymentDate) IN (2018, 2020))
281
282
        ORDER BY PaymentAmount DESC;
<
                                      Edit: 🚰 📆 🖶 Export/Import: 🙀 🦝 Wrap Cell Content: 🖽
PaymentID ReservationID PaymentDate PaymentAmount
  P309
                                 11500
            R330
                       2020-07-05
  P307
            R328
                     2020-07-01 8550
            R324
  P303
                       2020-06-21 8500
            R323
                    2020-06-18 6650
  P302
  P308
            R329
                       2020-07-02 5250
                    2020-06-30 4250
  P306
          R327
  P305
            R326
                       2020-06-29 3450
  P300
            R321
                      2020-06-12 3250
  P301
            R322
                       2020-06-14
                                  2300
                                  NULL
  NULL
            NULL
```

TASK THIRTEEN

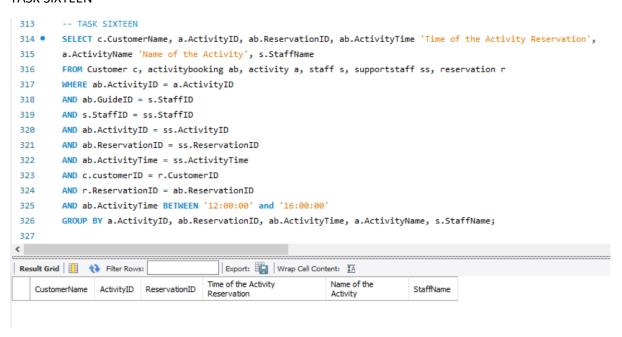
```
284
        -- TASK THIRTEEN
285 •
286
        FROM payment p, customer c, reservation r, villa_reservation vr, villa v, villatype vt
287
        WHERE p.ReservationID = r.ReservationID
288
        AND r.CustomerID = c.CustomerID
289
            AND r.ReservationID = vr.Villa_ReservationID
290
            AND vr.VillaID = v.VillaID
            AND v.VillaTypeID = vt.VillaTypeID
            AND vt.VillaTypeName LIKE '%one bedroom%'
292
293
            AND SUBSTRING INDEX(c.CustomerName, ' ', -1) LIKE 'J%';
<
Export: Wrap Cell Content: IA
   PaymentID ReservationID PaymentDate PaymentAmount
            R321
                        2020-06-12
                     2020-07-02 5250
          R329
  P308
```

TASK FOURTEEN

TASK FIFTEEN

```
-- TASK FIFTEEN
301
302 •
             SELECT c.CustomerName, a.ActivityCost
303
             FROM customer c, reservation r, activitybooking ab, activity a
             WHERE c.CustomerID = r.CustomerID
304
             AND r.ReservationID = ab.ReservationID
305
             AND ab.ActivityID = a.ActivityID
306
             AND a.ActivityType = '0'
307
            AND a.ActivityCost < (
308
             SELECT AVG(a.ActivityCost)
309
310
             FROM Activity a
311
             WHERE a.ActivityType = '0');
312
<
Export: Wrap Cell Content: IA
   CustomerName
                ActivityCost
  Dougie Jive
                120
   Honey Rossi
              100
   Odin Salas
                301
```

TASK SIXTEEN



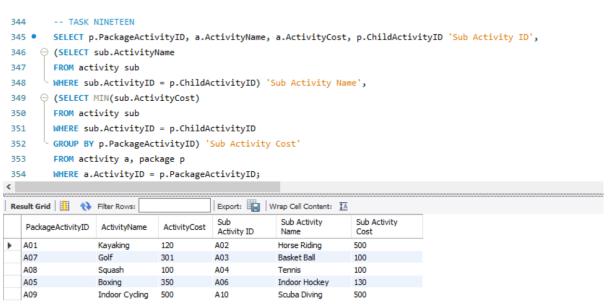
TASK SEVENTEEN

```
-- TASK SEVENTEEN
325
          SELECT s.StaffName , m.StaffName 'Manager'
326
          FROM staff s, staff m
327
328
          WHERE s.ManagerID = m.StaffID
          GROUP BY m.StaffName
329
          HAVING COUNT(s.StaffName) >= 2;
330
331
<
                                             Export: Wrap Cell Content: $\frac{1}{4}
Result Grid
                Filter Rows:
    StaffName
                   Manager
   Md Townsend
                  Dora Wagner
   Allen Henderson Sioned Warner
```

TASK EIGHTEEN

```
-- TASK EIGHTEEN
347 •
         SELECT a.ActivityID, ab.ReservationID, ab.ActivityTime 'Time of the Activity Reservation',
 348
         a.ActivityName 'Name of the Activity', s.StaffName
 349
         FROM activitybooking ab, activity a, staff s, supportstaff ss
 350
         WHERE ab.ActivityID = a.ActivityID
 351
         AND ab.GuideID = s.StaffID
 352
            AND s.StaffID = ss.StaffID
 353
             AND ab.ActivityID = ss.ActivityID
 354
             AND ab.ReservationID = ss.ReservationID
 355
             AND ab.ActivityTime = ss.ActivityTime
356
         GROUP BY a.ActivityID, ab.ReservationID, ab.ActivityTime, a.ActivityName, s.StaffName;
Export: Wrap Cell Content: IA
                         Time of the Activity
                                                  Name of the
   ActivityID ReservationID
                                                                   StaffName
                         Reservation
                                                   Activity
▶ A10
            R330
                         2020-12-19 16:00:00
                                                  Scuba Diving
                                                                   Ryder William
```

TASK NINETEEN



TASK TWENTY

```
-- TASK TWENTY
356
357 • SELECT r.ReservationID,
360
      FROM activity a, activitybooking ab
      WHERE ab.ReservationID = r.ReservationID
362
      AND ab.ActivityID = a.ActivityID
     ), 0), 2)) 'Activity Cost',
363
(SELECT VillaCostPerDay*datediff(DateTo,DateFrom)
365
       FROM villa_reservation vr, villa v
366
367
       WHERE vr.Villa_ReservationID = r.ReservationID
368
       AND vr.VillaID = v.VillaID
      ), 0), 2)) 'Villa Cost'
369
370
       FROM reservation r
       GROUP BY r.ReservationID;
371
```

	ReservationID	Activity Cost	Villa Cost
•	R321	\$480.00	\$5,750.00
	R322	\$3,000.00	\$9,200.00
	R323	\$200.00	\$6,650.00
	R324	\$500.00	\$8,500.00
	R325	\$3,500.00	\$1,300.00
	R326	\$390.00	\$3,450.00
	R327	\$2,408.00	\$4,250.00
	R328	\$400.00	\$8,500.00
	R329	\$2,500.00	\$5,250.00
	R330	\$1,000.00	\$11,500.00