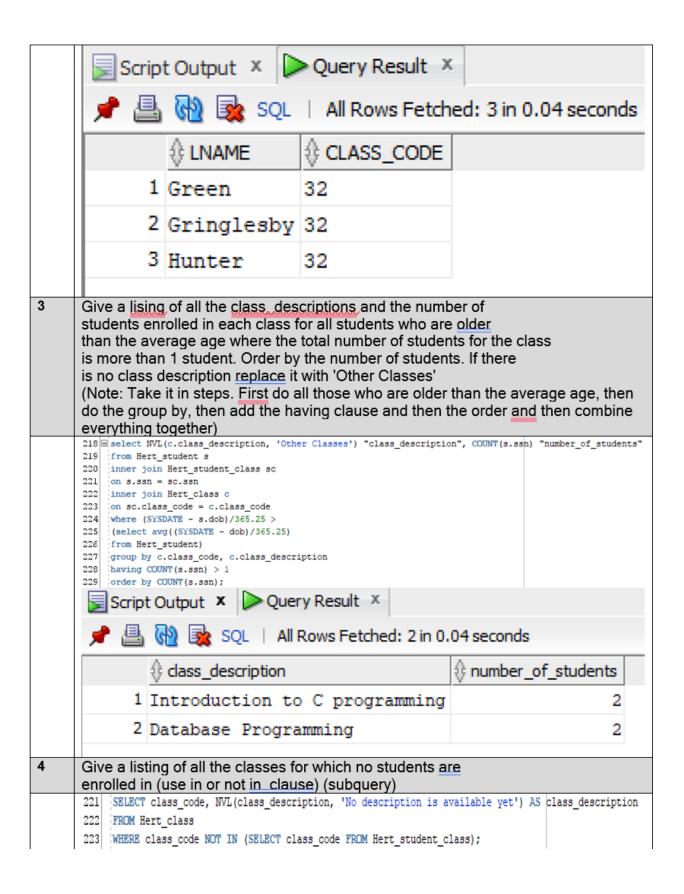
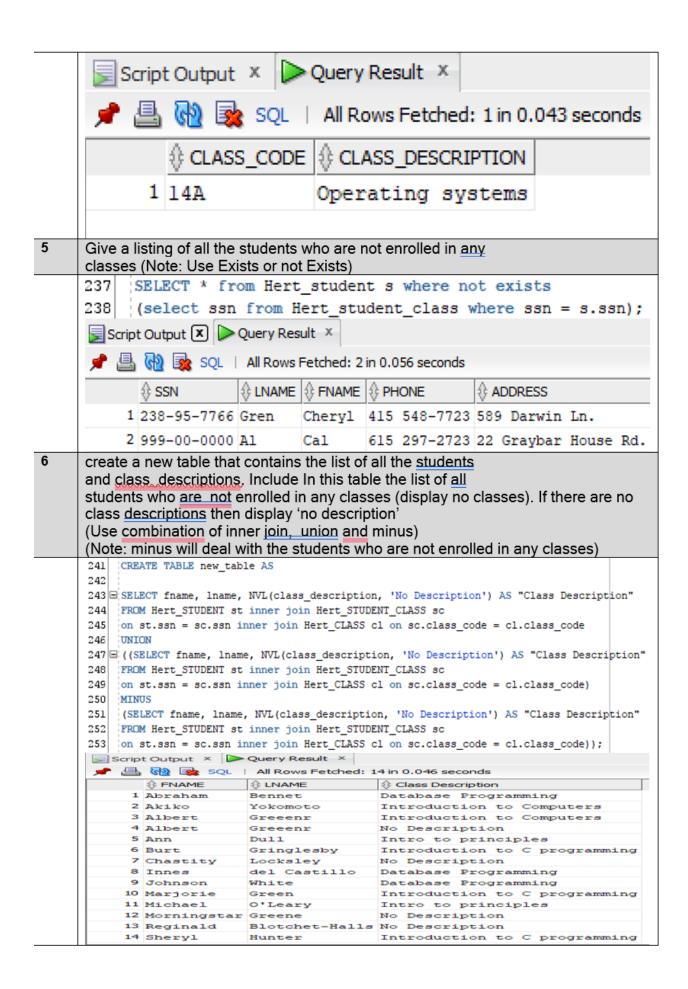
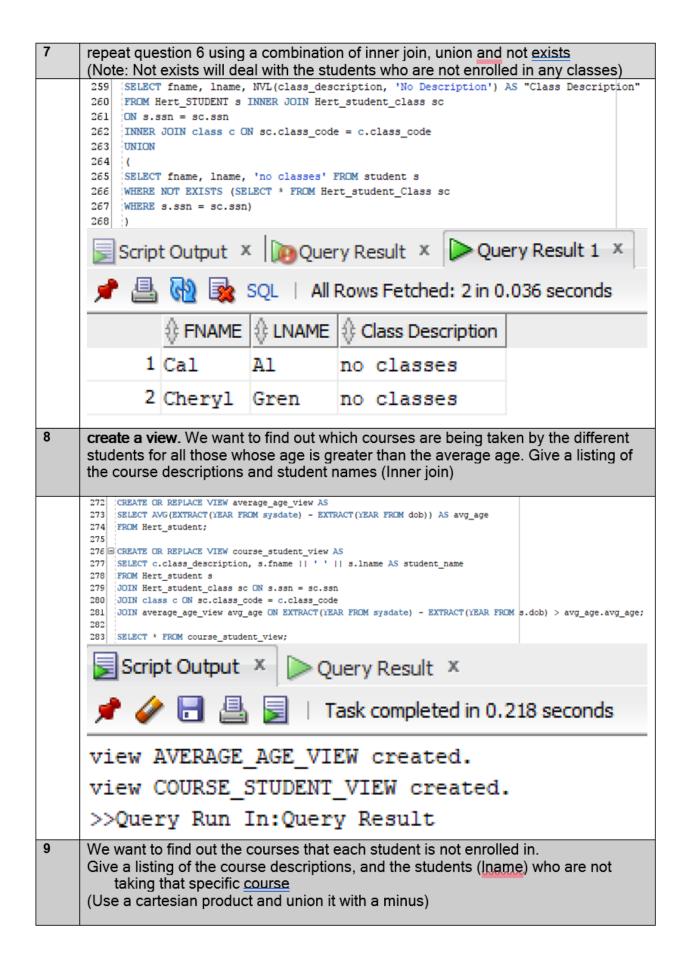


```
Give a listing of only the <u>lname</u> and the <u>class code</u> for students who are taking 'Introduction to C programming'. (Inner join)
```

```
207  select s.lname, c.class_code
208  from Hert_student_class sc
209  inner join Hert_student s
210  on sc.ssn = s.ssn
211  inner join Hert_class c
212  on sc.class_code = c.class_code
213  where c.class description = 'Introduction to C programming';
```







```
289 SELECT lname, class description FROM Hert STUDENT, Hert CLASS, Hert STUDENT CLASS
     290 UNION
     291 (SELECT lname, class description
     292 FROM Hert_STUDENT st, Hert_CLASS cl, Hert_STUDENT_CLASS sc
     293 WHERE st.ssn = sc.ssn (+) AND sc.class_code = cl.class_code (+))
     294 MINUS
     295 (SELECT lname, class description
     296 FROM Hert_STUDENT st, Hert_CLASS cl, Hert_STUDENT_CLASS sc
     297 WHERE st.ssn = sc.ssn AND sc.class code = cl.class code);
         55 Locksley Introduction to Computers
          59 O'Learv
                               Introduction to Computers
          64 White
                                Introduction to Computers
         74 del Castillo Introduction to Computers
10
     Use the system catalog tables to display the results to find out the
     following:(Note show me the SQL syntax along with your results) Only a single
     SQL statement for each question.
     a) Primary key name and the columns that make up the primary key for student
     table
     300 SELECT cols.table name, cols.column name
     301
           FROM all constraints cons, all cons columns cols
           WHERE cols.table name = 'STUDENT'
     302L
     303 AND cons.constraint type = 'P'
     304 AND cons.constraint name = cols.constraint name
           AND cons.owner = cols.owner;
     305 l
        Script Output X Query Result X
                   SQL | All Rows Fetched: 1 in 0.188 seconds

⊕ TABLE_NAME | ⊕ COLUMN_NAME

            1 STUDENT
                               SSN
     b) Unique key name and the columns that make up the unique key for the student
     table
     308 SELECT cols.table name, cols.column name
     309
           FROM all constraints cons, all cons columns cols
           WHERE cols.table name = 'STUDENT'
     310
           AND cons.constraint type = 'U'
     311
     312L
           AND cons.constraint name = cols.constraint name
     313 l
           AND cons.owner = cols.owner;
```

