1. Identify errors in the following SQL statement and label errors with error type (syntax, redundancy, or semantic). To simplify your work, the statement has only one type of error. Rewrite the statement to remove the error.

SELECT

eventrequest.eventno, dateheld, status, estcost  
FROM

eventrequest, employee, facility, eventplan  
WHERE

estaudience > 5000  
AND

eventplan.empno = employee.empno  
AND

eventrequest.facno = facility.facno  
AND

facname = 'Football stadium'  
AND

empname = 'Mary Manager';

The first line results in several repeated results, it creates a semantic error. The correct expression should be:

SELECT DISTINCT

eventrequest.eventno, dateheld, status, estcost

2. Identify errors in the following SQL statement and label errors with error type (syntax, redundancy, or semantic). To simplify your work, the statement has only one type of error. Rewrite the statement to remove the error.

SELECT DISTINCT

eventrequest.eventno, dateheld, status, estcost  
  
FROM

eventrequest, eventplan

WHERE

estaudience > 4000

AND

eventplan.eventno = eventrequest.eventno

GROUP BY

eventrequest.eventno, dateheld, status, estcost;

The GROUP BY statement is innecsary, it creates a redundancy error. The correct expression should be without the last statement.

3. Identify errors in the following SQL statement and label errors with error type (syntax, redundancy, or semantic). To simplify your work, the statement has only one type of error. Rewrite the statement to remove the error.

SELECT DISTINCT

eventrequest.eventno, dateheld, status, estcost  
FROM

eventrequest, employee, facility, eventplan  
WHERE

estaudience > 5000  
AND

eventplan.empno = employee.empno  
AND

eventrequest.facno = facility.facno  
AND

eventplan.eventno = eventrequest.eventno  
AND

facname = 'Football stadium’;

The GROUP BY statement is unnecessary, it creates a redundancy error. The correct expression should be without the last statement.

4. Identify errors in the following SQL statement and label errors with error type (syntax, redundancy, or semantic). To simplify your work, the statement has only one type of error. Rewrite the statement to remove the errors.

SELECT DISTINCT

eventno, dateheld, status, estcost  
FROM

eventrequest, employee, eventplan  
WHERE

estaudience BETWEN 5000 AND 10000  
AND

eventplan.empno = employee.empno  
AND

eventrequest.eventno = eventplan.eventno  
AND

empname = 'Mary Manager';

5. Identify areas in which the SQL statement has poor coding practices and rewrite the  
statement to improve the coding practices. You do not need to search for errors.

SELECT

eventplan.planno, lineno, resname,  
numberfld, timestart, timeend

FROM

eventrequest, facility, eventplan,  
eventplanline, resourcetbl

WHERE

Estaudience = ‘10000’

AND

eventrequest.facno = facility.facno  
AND

facname = 'Basketball arena'

AND

eventplanline.resno = resourcetbl.resno  
AND

eventrequest.eventno = eventplan.eventno