**Problem\_1**

This is a semantic error

Missing Inner Join

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';

**Corrected statements**

SELECT eventrequest.eventno, dateheld, status, estcost

FROM eventrequest, employee, facility, eventplan

**WHERE eventrequest.EVENTNO = eventplan.EVENTNO**

and eventplan.empno = employee.empno

AND eventrequest.facno = facility.facno

AND facname = 'Football stadium'

AND empname = 'Mary Manager'

and estaudience > 5000;

**Problem\_2**

This is a redundancy error

Unneeded Group by

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;

**Corrected statements**

SELECT DISTINCT eventrequest.eventno, dateheld, status, estcost

FROM eventrequest, eventplan

WHERE estaudience > 4000

AND eventplan.eventno = eventrequest.eventno;

**Problem\_3**

This is a redundancy error

Extra tables

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';

**Corrected statements**

SELECT DISTINCT eventrequest.eventno, dateheld, status, estcost

FROM eventrequest ,facility

WHERE eventrequest.facno = facility.facno

AND facname = 'Football stadium'

and estaudience > 5000;

**Problem\_4**

This is a Syntax error

Wrong word between and wrong columns

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';

**Corrected statements**

**--SELECT DISTINCT er.eventno, er.dateheld, er.status, er.estcost**

**--FROM eventrequest er**

**--INNER JOIN eventplan ep**

**--ON er.EVENTNO = ep.EVENTNO**

**--INNER JOIN employee em**

**--ON ep.empno = em.empno**

**--WHERE estaudience between 5000 AND 10000**

**--and empname = 'Mary Manager';**

**OR**

**SELECT DISTINCT eventrequest.eventno, eventrequest.dateheld,**

**eventrequest.status,**

**eventrequest.estcost**

**FROM eventrequest, employee, eventplan**

**WHERE eventrequest.EVENTNO = eventplan.EVENTNO**

**AND eventplan.empno = employee.empno**

**and estaudience between 5000 AND 10000**

**and empname = 'Mary Manager';**

**Problem\_5**

**We can edit this poor coding to be like this**

**SELECT eventplan.planno, lineno, resname,**

**numberfld, timestart, timeend**

**FROM eventrequest, facility, eventplan,**

**eventplanline, resourcetbl**

**WHERE eventplan.planno = eventplanline.planno**

**AND eventrequest.facno = facility.facno**

**AND eventplanline.resno = resourcetbl.resno**

**AND eventrequest.eventno = eventplan.eventno**

**AND facname ='Basketball arena'**

**and estaudience = '10000';**