

1.
 - a. CHECK weight <= 5;
 - b. CREATE TRIGGER WeightReq
 AFTER INSERT ON Laptop
 REFERENCING NEW ROW AS New_Row
 FOR EACH ROW
 WHEN (New_Row.weight > 5)
 UPDATE Laptop SET weight = NULL WHERE model = New_Row.model;
2. (1, 4), (100, 0)
3.
 - a. CREATE VIEW EmployeeNames AS
 SELECT ename
 FROM Employees;
 CREATE VIEW DeptInfo AS
 SELECT dept, AVG (salary) AS avgsalary
 FROM Employees
 GROUP BY dept;
 - b. GRANT SELECT, DELETE ON EmployeeNames TO 'Mike';
 GRANT SELECT ON DeptInfo TO 'Mike';
 - c. The answer to the previous question already ensures this. He is only granted SELECT privileges on the DeptInfo table, which only shows the average salary of each department and not of individuals. He also has no privileges to the Employees base table. However, if he somehow knows that there is only person working in a certain department, he will be able to know the salary of that person because the average salary of that department is equal to that person's salary.
 - d. UPDATE DeptInfo
 SET dept = 'Marketing'
 WHERE dept = 'Manufacturing';
 - e. GRANT ALL PRIVILEGES ON Employees
 TO 'Joe' WITH GRANT OPTION;
 GRANT ALL PRIVILEGES ON EmployeeNames
 TO 'Joe' WITH GRANT OPTION;
 Joe cannot read the DeptInfo view.
 - f. REVOKE ALL PRIVILEGES ON EmployeeNames FROM 'Joe' CASCADE;
 The EmployeeNames and StaffNames views will remain. However, because Joe used EmployeeNames to create AllNames and his privileges for EmployeeNames were removed, the AllNames view will be removed.