

SQL class test BP challenge memo

\*\*\*\* indicates valid alternative SQL statements

- ① SELECT Name, Surname ✓  
FROM tblStudents ✓  
WHERE Name = "Martin" and Surname = "Sebethoma"; ✓
- ② SELECT Name  
FROM tblStudents ✓  
WHERE Name LIKE "J\*"; ✓
- ③ SELECT Name, Surname  
FROM tblStudents  
WHERE Name LIKE "J\*" ✓  
ORDER BY Surname; ✓
- ④ SELECT Name, Surname, DoB  
FROM tblStudents ✓  
WHERE MONTH(DoB) = 5; ✓
- ⑤ SELECT Name, Surname, DoB  
FROM tblStudents ✓  
WHERE year(DoB) <= 1995; ✓
- ⑥ SELECT Name, Surname, DoB  
FROM tblStudents  
WHERE (DoB) is null; ✓
- ⑦ SELECT Name, Surname, (now() - dob) / 365 As Age ✓ \*\*\*\*  
FROM tblStudents  
ORDER BY Surname; ✓
- ⑧ SELECT Name, Surname, year(now()) - year(dob) As Age \*\*\*\*  
FROM tblStudents  
ORDER BY Surname; ✓
- ⑨ SELECT Name, Surname, year(now()) - year(dob) As Age ✓  
FROM tblStudents  
ORDER BY year(now()) - year(dob); ✓
- ⑩ SELECT TOP 1, year(now()) - year(dob) As Age, Name, Surname ✓  
FROM tblStudents; ✓
- ⑪ SELECT round(avg( now() - dob) / 365, 2) As [Average age] ✓

SQL class test BP challenge memo

FROM tblStudents;

- (12) SELECT Name, Surname  
FROM tblStudents  
WHERE gender = "F"; ✓
- (13) SELECT count(Team) As [A team]  
FROM tblStudents  
WHERE Team = "A"; ✓
- (14) SELECT avg(Price) As [Ave Price]  
FROM tblMeals;
- (15) SELECT count(\*) As [Grade Count]  
FROM tblStudents, tblGrade ✓  
WHERE tblStudents.Grade = tblGrade.GrID ✓ } Join (2)  
GROUP BY Grades ✓  
ORDER BY Grades DESC; ✓
- (16) SELECT Name, Surname  
FROM tblStudents, tblSchools ✓  
WHERE tblStudents.School = tblSchools.SchoolID AND tblSchools.School = "North Lake Secondary School"; ✓ } Join (2)
- (17) SELECT Name, Surname  
FROM tblStudents, tblMeals ✓  
WHERE tblStudents.Meal = tblMeals.MealID AND tblMeals.MealID = 3; Join (1) \*\*\*\*
- (17) SELECT Name, Surname  
FROM tblStudents, tblMeals  
WHERE tblStudents.Meal = tblMeals.MealID AND tblMeals.Meal = "vegeterian";  
\*\*\*\*
- (18) SELECT Name, Surname, tblSchools.School  
FROM tblStudents, tblMeals, tblSchools  
WHERE tblStudents.Meal = tblMeals.MealID AND tblStudents.School =  
tblSchools.SchoolID AND tblMeals.Meal = "vegeterian" AND tblStudents.School  
= 1; \*\*\*\*
- (18) SELECT Name, Surname, tblSchools.School  
FROM tblStudents, tblMeals, tblSchools ✓  
WHERE tblStudents.Meal = tblMeals.MealID AND tblStudents.School =  
tblSchools.SchoolID AND tblMeals.Meal = "vegeterian" AND tblSchools.School  
= "North Lake Secondary School"; \*\*\*\* Join (2)

SQL class test BP challenge memo

- 19) SELECT Name, Surname, tblGrade.Grades ✓ Join ①  
FROM tblStudents, tblGrade  
WHERE tblStudents.Grade = tblGrade.GrID AND tblGrade.Grades = 9;
- 20) SELECT Name, Surname, tblGrade.Grades  
FROM tblStudents, tblGrade  
WHERE tblStudents.Grade = tblGrade.GrID AND NOT(tblGrade.Grades = 9);
- 21) SELECT TOP 1, Name, Surname ✓  
FROM tblStudents, tblGrade  
WHERE tblStudents.Grade = tblGrade.GrID AND tblGrade.Grades = 9  
ORDER BY (now()) - (dob) DESC; ✓ \*\*\*\*
- 21) SELECT TOP 1, Name, Surname  
FROM tblStudents  
WHERE Grade = 2 // 2 is the equivalent to grade 9  
ORDER BY (now()) - (dob) DESC; \*\*\*\*
- 22) DELETE FROM ✓  
tblStudents ✓  
WHERE studentID = 38; // use student ID, not name
- 23) INSERT INTO tblStudents (Name, Surname, DoB, Gender, School, Team, Grade, Meal) ✓  
VALUES ('Lynn', 'Collins', '#02 Feb 2000', 'F', 2, 'A', 3, 1); ✓ ✓
- 24) UPDATE tblStudents SET Team = 'B' ✓  
WHERE studentID = 38; ✓