

## Ass01 2010 Solutions

1	SELECT Surname, Forename FROM Doctors ORDER BY Surname, Forename;	3
2	SELECT Surname, Forename, Salary FROM Doctors ORDER BY Salary DESC;	3
3	SELECT * FROM Patients WHERE RegDate > '01/01/2010';	4
4	SELECT * FROM Patients WHERE Surname LIKE 'MC%';	3
5	SELECT * FROM Patients WHERE Town = 'Tralee' AND Status = 'P';	3
6	SELECT P.Surname, P.Forename, D.Surname, D.Forename FROM Patients P, Doctors D WHERE P.DoctorId = D.DoctorId AND Status = 'P';	6
7	SELECT COUNT(*) FROM Patients WHERE Status = 'X';	4
8	SELECT Status, COUNT(*) FROM Patients GROUP BY Status;	5
9	SELECT SUM(Salary) FROM Doctors;	4
10	SELECT * FROM Doctors WHERE Salary < (SELECT AVG(Salary) FROM Doctors);	5

<b>11</b>	SELECT Surname, Forename, Salary FROM Doctors WHERE Salary = (SELECT MIN(Salary) FROM Doctors);	<b>5</b>
<b>12</b>	SELECT MIN(Salary) AS Lowest, MAX(Salary) AS Highest, AVG(Salary) AS Average FROM Doctors;	<b>6</b>
<b>13</b>	SELECT DoctorId, COUNT(*) FROM Patients GROUP BY DoctorId;	<b>6</b>
<b>14</b>	INSERT INTO Doctors VALUES(8,'Jones','John',130000);	<b>6</b>
<b>15</b>	INSERT INTO Doctors (DoctorId, Surname, Forename) VALUES(9,'Kelly','Ann');	<b>7</b>
<b>16</b>	UPDATE Doctors SET Salary = Salary * 1.10;	<b>6</b>
<b>17</b>	DELETE * FROM Patients WHERE Status = 'D';	<b>6</b>
<b>18</b>	SELECT * FROM Appointments WHERE DoctorId = 3 AND AppDate = '19/10/2010');	<b>4</b>
<b>19</b>	SELECT AppTime, Surname, Forename FROM Appointments A, Patients P WHERE A.PatientId = P.PatientId AND AppDate = '19/10/2010' AND A.DoctorId = 3;	<b>6</b>
<b>20</b>	SELECT AppTime, D.Surname, D.Forename, P.Surname, P.Forename FROM Appointments A, Doctors D, Patients P WHERE A.DoctorId = D.DoctorId AND A.PatientId = P.PatientId AND AppDate = '25/10/2010' ORDER BY D.Surname, D.Forename, AppTime;	<b>8</b>