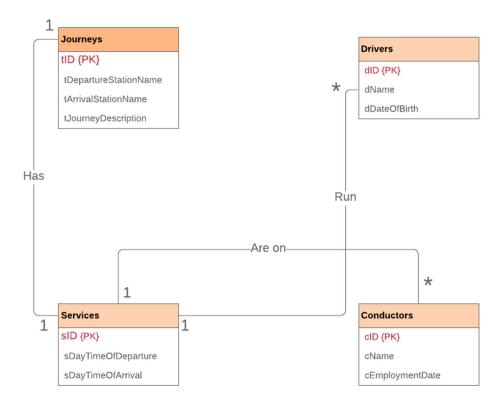
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COM	Science	Practice
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Tuesday, 11:00 am with Daniele Soria

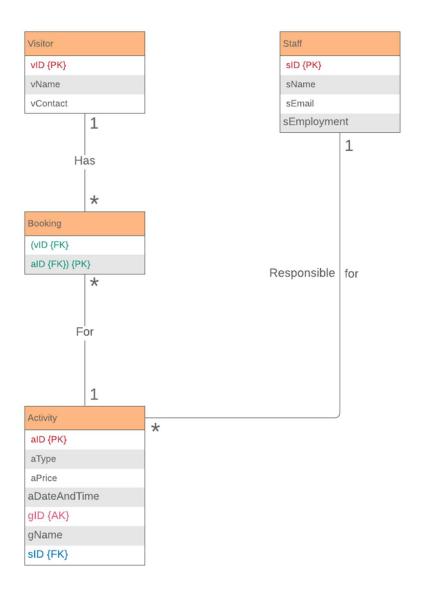
Task 1 - FabTrains

Beatrice Antoniu | March 23, 2019



Task 2 - CoolCityTours

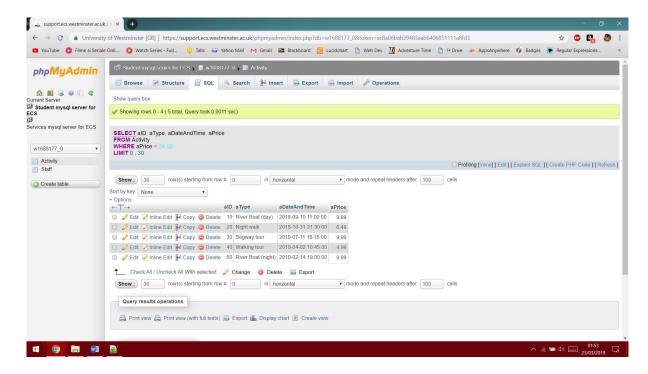
Beatrice Antoniu | March 23, 2019



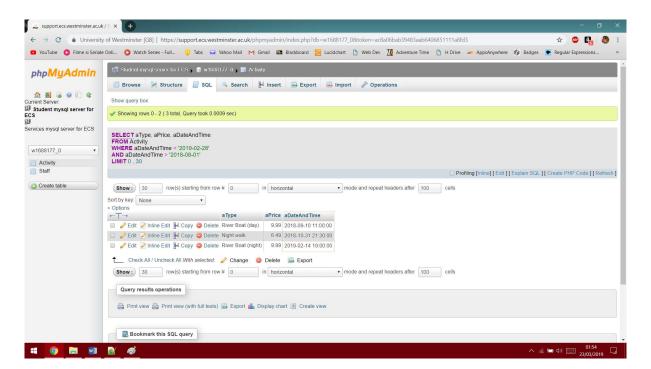
```
CREATE TABLE Staff (
      SID INT NOT NULL,
      sName VARCHAR(50) NOT NULL,
      sEmail VARCHAR(255),
      sEmployment VARCHAR(9),
      CONSTRAINT staff_sid_pk PRIMARY KEY(sID)
);
CREATE TABLE Activity (
      aID INT DEFAULT 1,
      aType CHAR(255),
      aPrice DECIMAL(10, 2),
      aDateAndTime DATETIME,
      gID INT DEFAULT 1,
      gName VARCHAR(50) NOT NULL,
      SID INT NOT NULL,
      CONSTRAINT activity_aid_pk PRIMARY KEY(aID),
      CONSTRAINT staff_sid_fk FOREIGN KEY(sID)
             REFERENCES Staff(sID)
);
```

```
INSERT INTO Staff (sID, sName, sEmail, sEmployment)
VALUES (1, 'Emma', 'emma@coolcitytours.com', 'Full-time');
INSERT INTO Staff (sID, sName, sEmail, sEmployment)
VALUES (2, 'Nicholas', 'nick@coolcitytours.com', 'Part-time');
INSERT INTO Staff (sID, sName, sEmail, sEmployment)
VALUES (3, 'Laura', 'laura@coolcitytours.com', 'Full-time');
INSERT INTO Activity (aID, aType, aPrice, aDateAndTime, gID, gName, sID)
VALUES(10, 'River Boat (day)', 24.99, '2018-09-10 11:00:00', 300, 'Adrian', (SELECT sID FROM
Staff WHERE sID = 2));
INSERT INTO Activity (aID, aType, aPrice, aDateAndTime, gID, gName, sID)
VALUES(20, 'Night walk', 6.49, '2018-10-31 21:30:00', 100, 'Lucy', (SELECT sID FROM Staff
WHERE SID = 1);
INSERT INTO Activity (aID, aType, aPrice, aDateAndTime, gID, gName, sID)
VALUES(30, 'Segway tour', 21.99, '2018-07-11 16:15:00', 400, 'Elizabeth', (SELECT sID FROM
Staff WHERE sID = 3));
INSERT INTO Activity (aID, aType, aPrice, aDateAndTime, gID, gName, sID)
VALUES(40, 'Walking tour', 4.99, '2019-04-02 10:45:00', 200, 'Fatima', (SELECT sID FROM
Staff WHERE sID = 1));
INSERT INTO Activity (aID, aType, aPrice, aDateAndTime, gID, gName, sID)
VALUES(50, 'River Boat (night)', 29.99, '2019-02-14 19:00:00', 500, 'Steve', (SELECT sID
FROM Staff WHERE sID = 2));
```

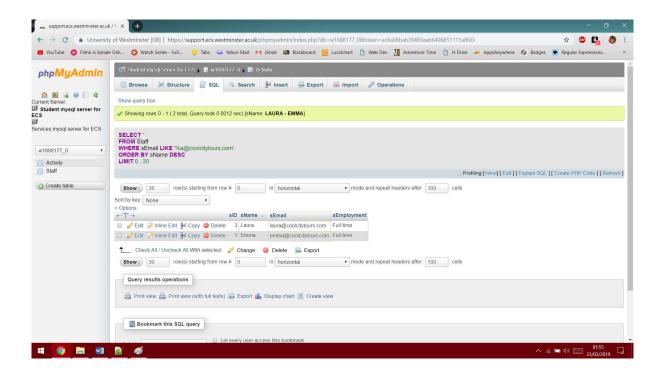
 a) SELECT aID, aType, aDateAndTime, aPrice FROM Activity
 WHERE aPrice < 24.00;



SELECT aType, aPrice, aDateAndTime
 FROM Activity
 WHERE aDateAndTime < '2019-02-28' AND aDateAndTime > '2018-08-01';



c) SELECT * FROM Staff WHERE sEmail LIKE '%a@coolcitytours.com' ORDER BY sName DESC;



 d) SELECT sName, AVG(aPrice) AS sPricesAverage FROM Staff INNER JOIN Activity ON Activity.sID = Staff.sID GROUP BY

