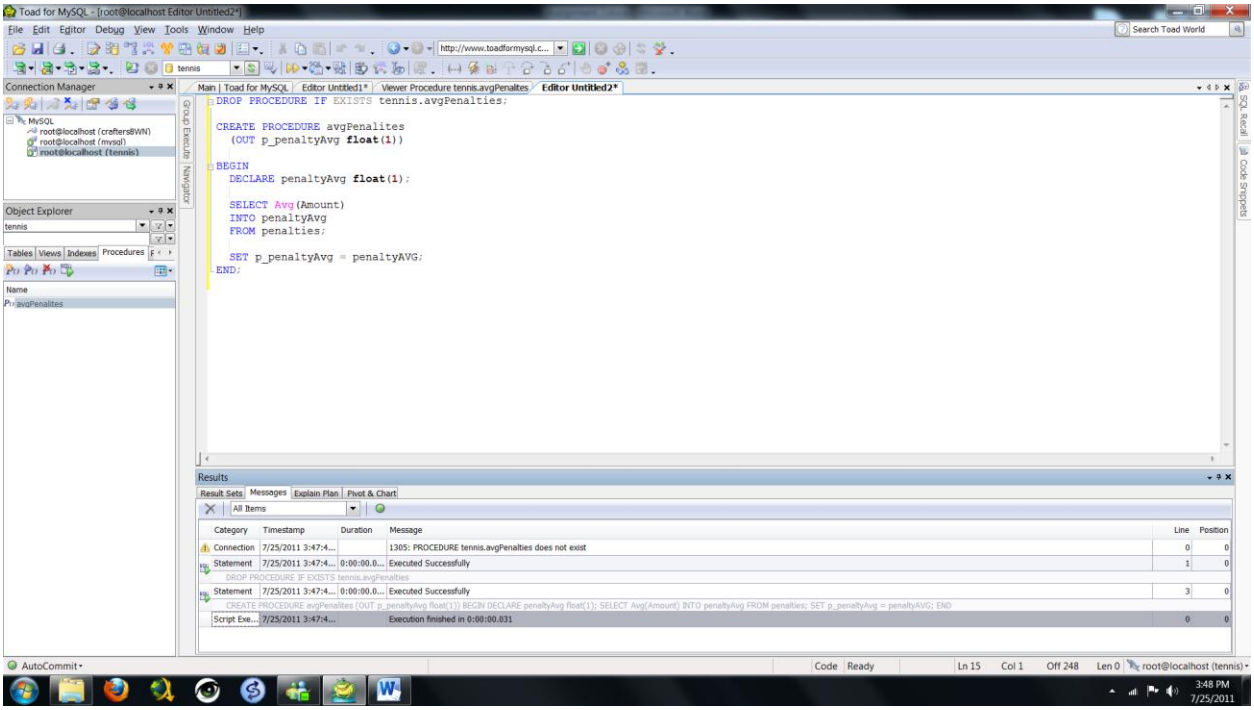
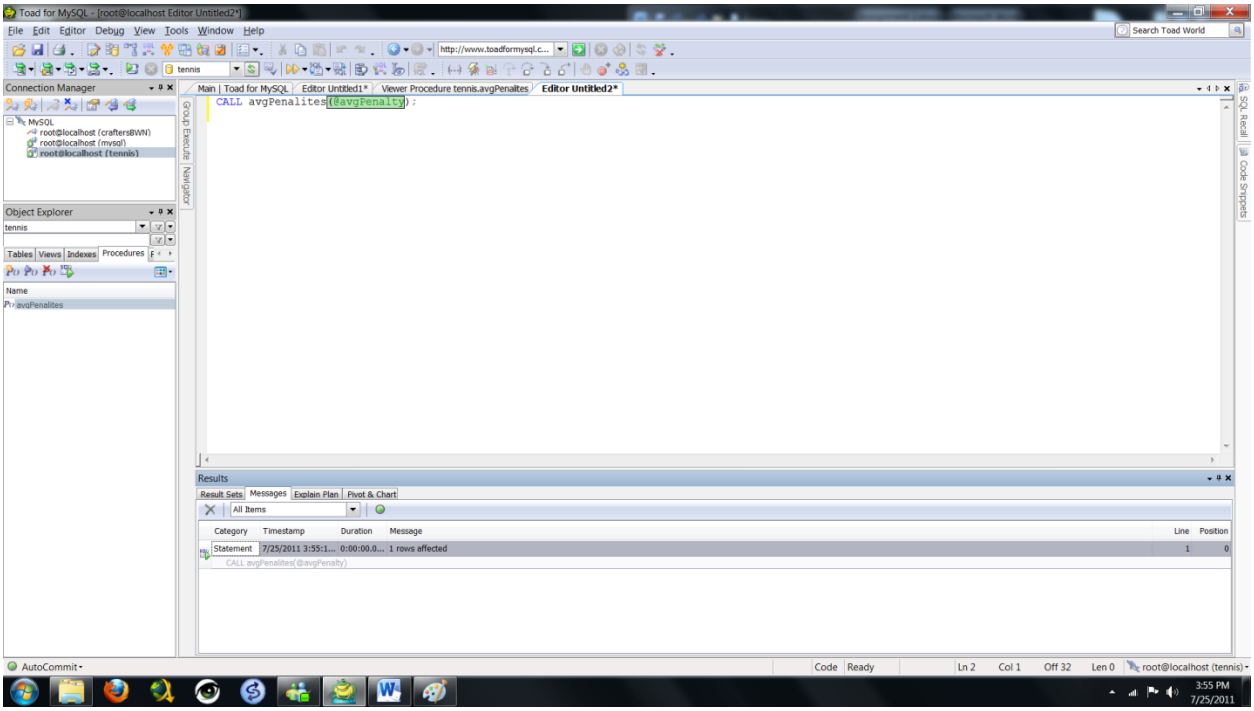
Assignment 2 Bruce Norman

1)

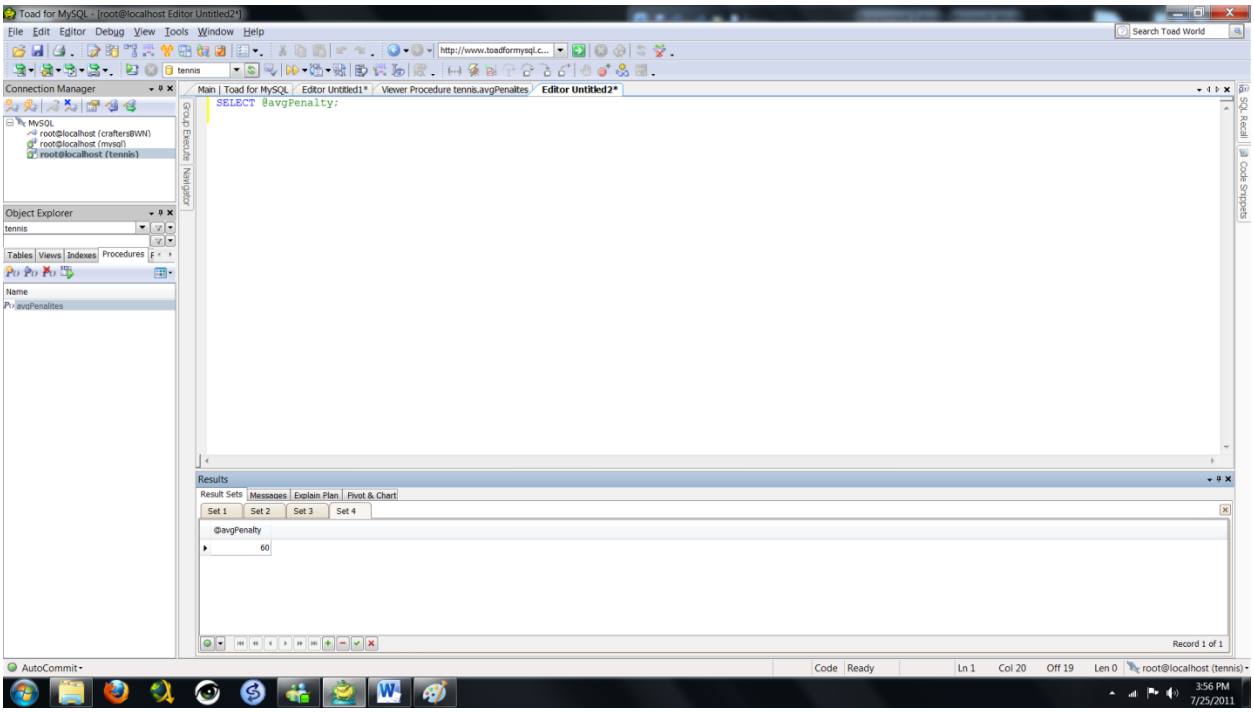
```
DROP PROCEDURE IF EXISTS tennis.avgPenalties;

CREATE PROCEDURE avgPenalites
  (OUT p_penaltyAvg float(1))

BEGIN
  DECLARE penaltyAvg float(1);

  SELECT Avg(Amount)
  INTO penaltyAvg
  FROM penalties;

  SET p_penaltyAvg = penaltyAVG;
END;
```



```
CALL avgPenalties(@avgPenalty);
```

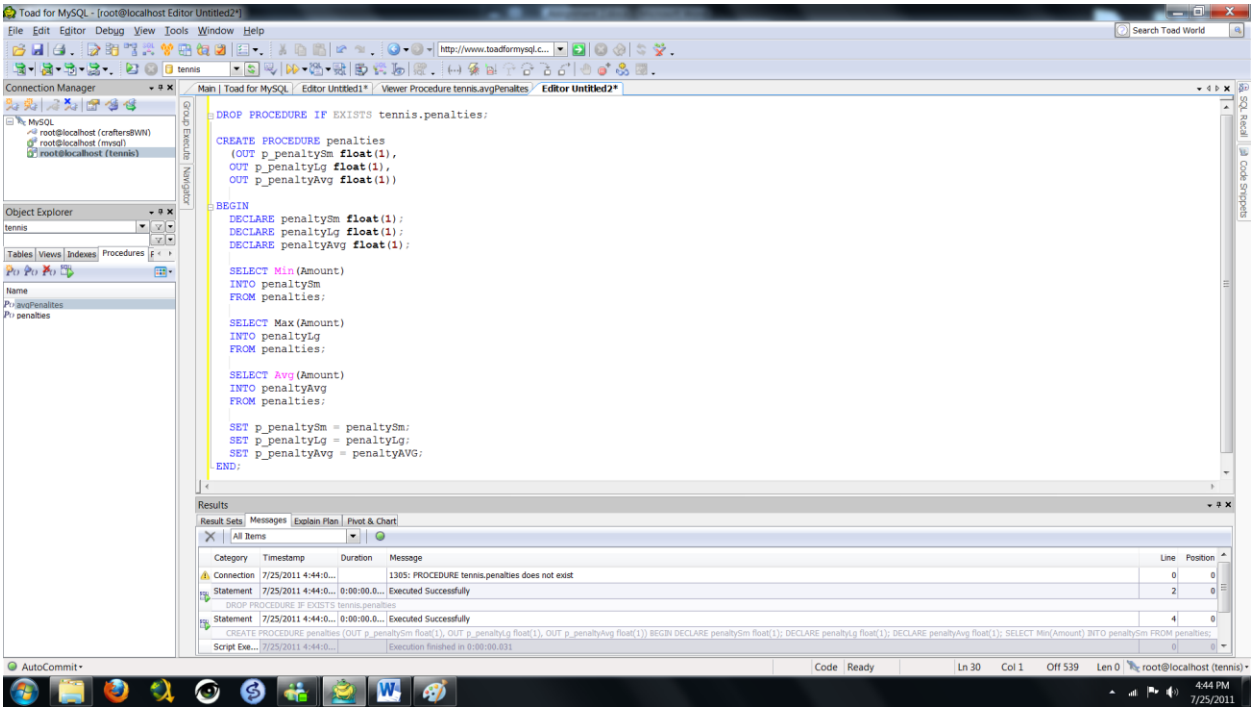



```
SELECT @avgPenalty;
```

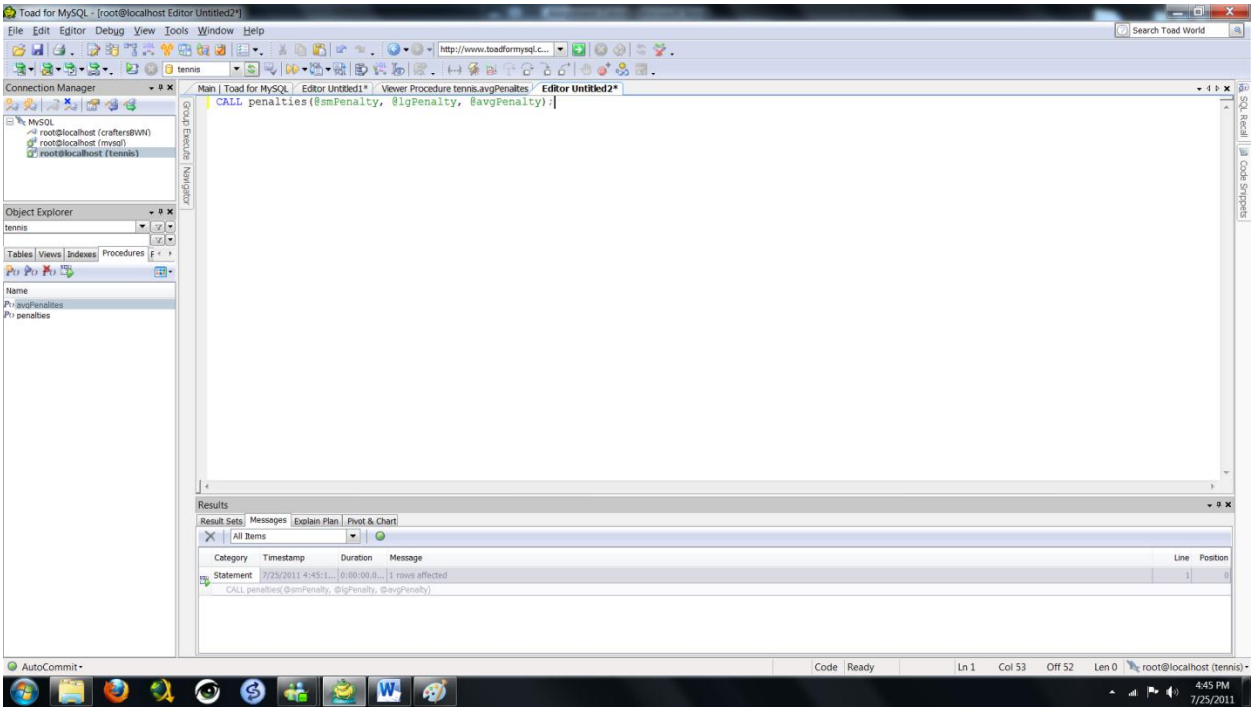


2)

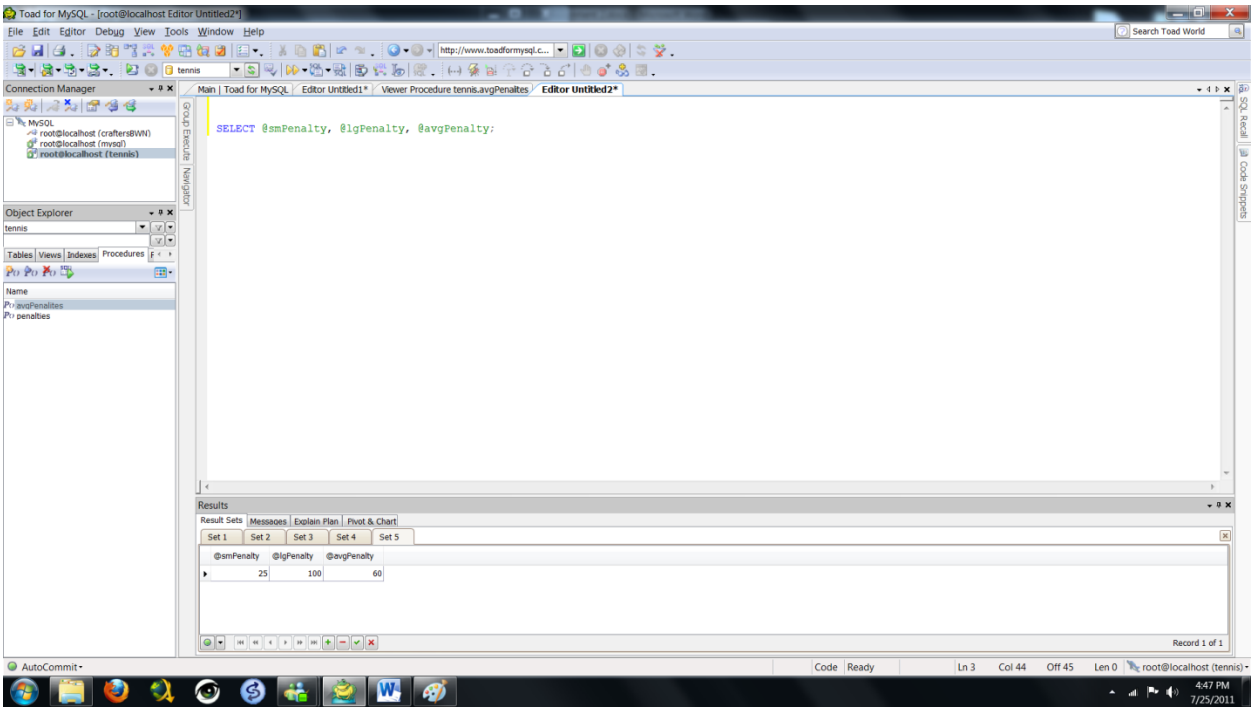
```
DROP PROCEDURE IF EXISTS tennis.penalties;

CREATE PROCEDURE penalties
  (OUT p_penaltySm float(1),
  OUT p_penaltyLg float(1),
  OUT p_penaltyAvg float(1))

BEGIN
  DECLARE penaltySm float(1);
  DECLARE penaltyLg float(1);
  DECLARE penaltyAvg float(1);

  SELECT Min(Amount)
  INTO penaltySm
  FROM penalties;

  SELECT Max(Amount)
  INTO penaltyLg
  FROM penalties;

  SELECT Avg(Amount)
  INTO penaltyAvg
  FROM penalties;

  SET p_penaltySm = penaltySm;
  SET p_penaltyLg = penaltyLg;
  SET p_penaltyAvg = penaltyAVG;
END;
```



```
CALL penalties(@smPenalty, @lgPenalty, @avgPenalty);
```

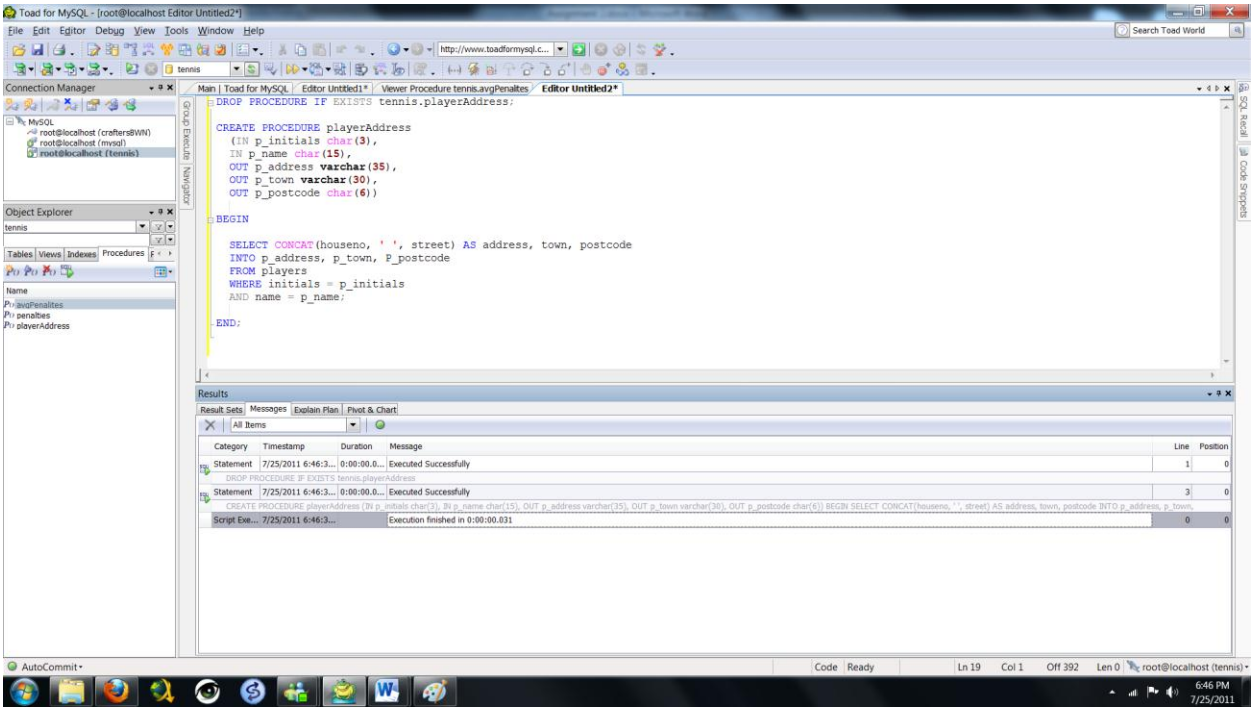



```
SELECT @smPenalty, @lgPenalty, @avgPenalty;
```

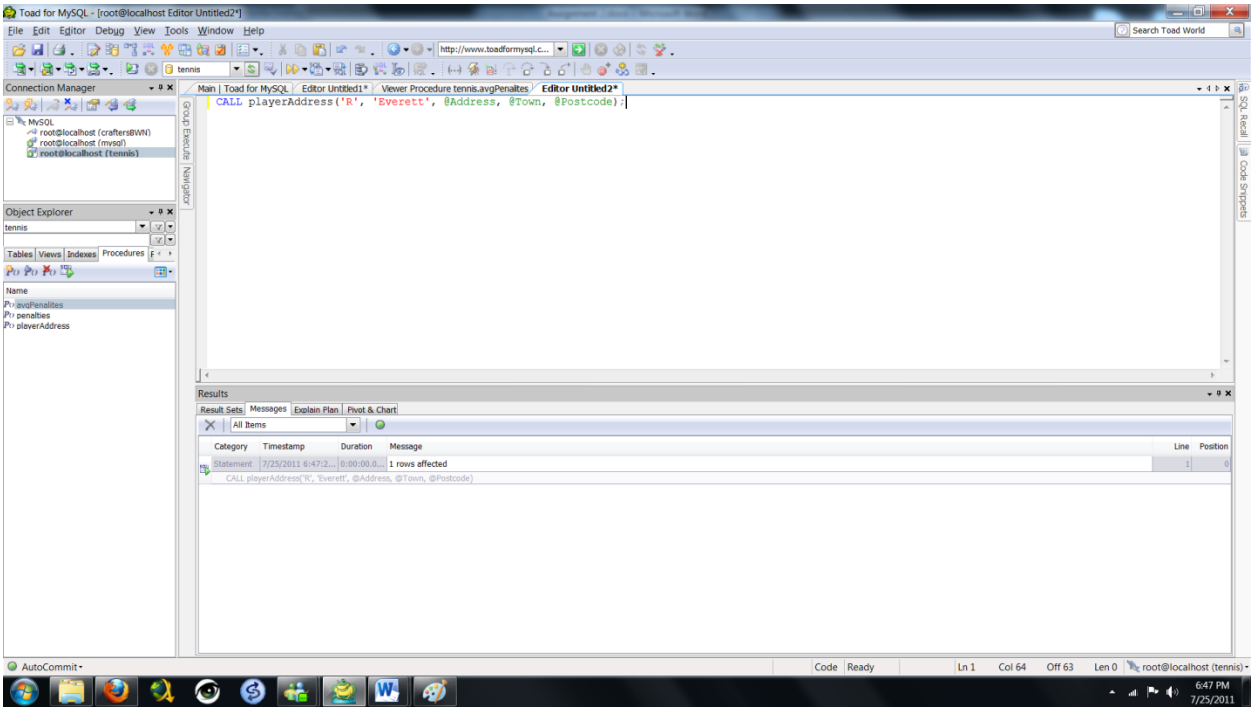


3)

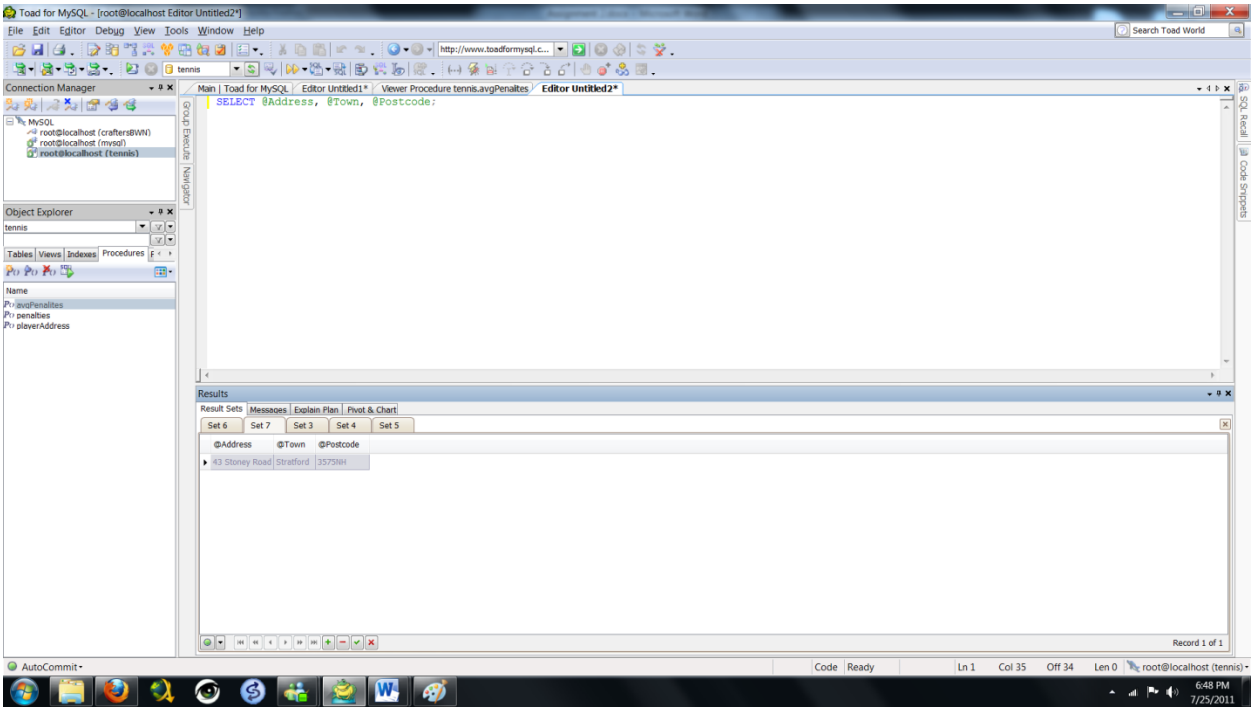
```
DROP PROCEDURE IF EXISTS tennis.playerAddress;

CREATE PROCEDURE playerAddress
  (IN p_initials char(3),
  IN p_name char(15),
  OUT p_address varchar(35),
  OUT p_town varchar(30),
  OUT p_postcode char(6))

BEGIN

  SELECT CONCAT(houseno, ' ', street) AS address, town, postcode
  INTO p_address, p_town, P_postcode
  FROM players
  WHERE initials = p_initials
  AND name = p_name;

END;
```



```
CALL playerAddress('R', 'Everett', @Address, @Town, @Postcode);
```

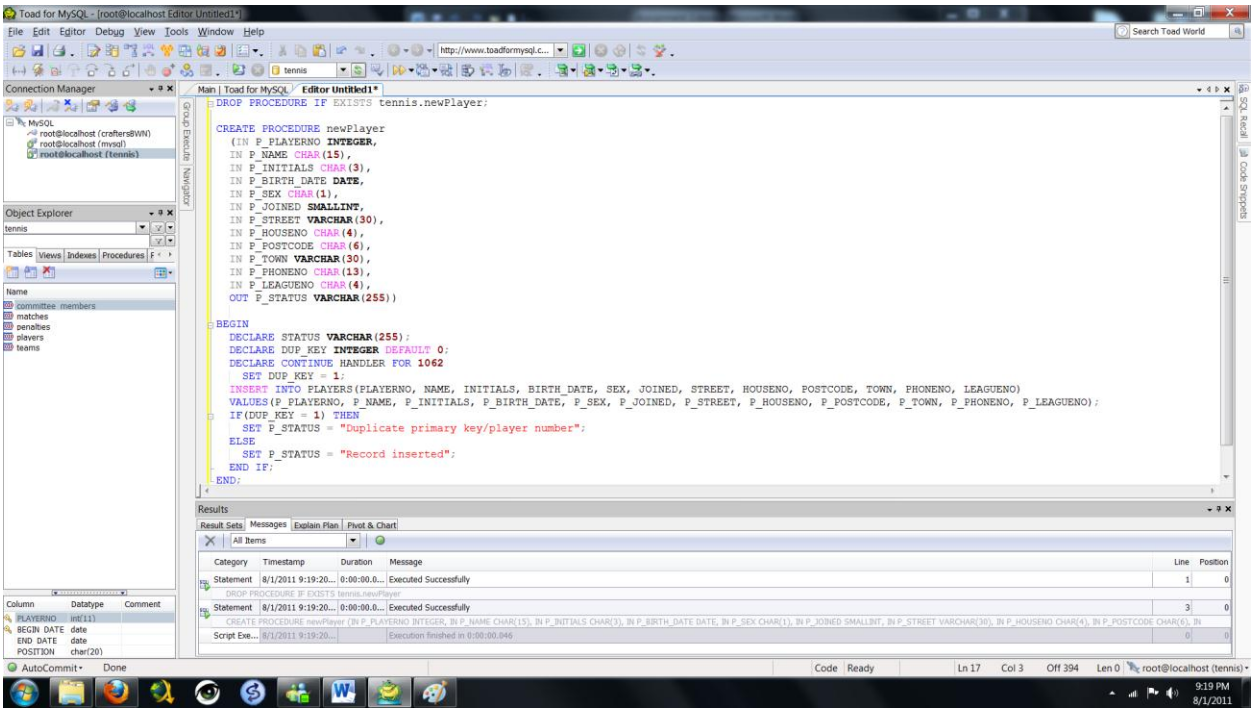



```
SELECT @Address, @Town, @Postcode;
```

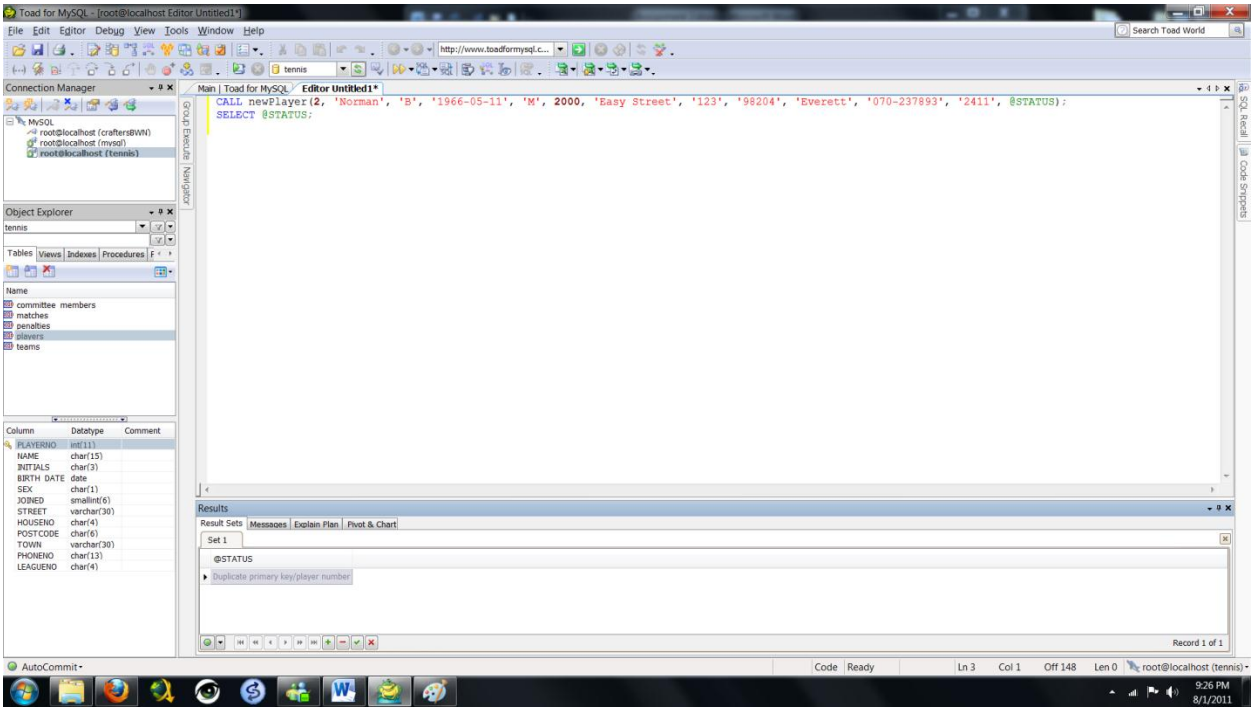


4)

```
DROP PROCEDURE IF EXISTS tennis.newPlayer;

CREATE PROCEDURE newPlayer
  (IN P_PLAYERNO INTEGER,
  IN P_NAME CHAR(15),
  IN P_INITIALS CHAR(3),
  IN P_BIRTH_DATE DATE,
  IN P_SEX CHAR(1),
  IN P_JOINED SMALLINT,
  IN P_STREET VARCHAR(30),
  IN P_HOUSENO CHAR(4),
  IN P_POSTCODE CHAR(6),
  IN P_TOWN VARCHAR(30),
  IN P_PHONENO CHAR(13),
  IN P_LEAGUENO CHAR(4),
  OUT P_STATUS VARCHAR(255))
BEGIN
  DECLARE STATUS VARCHAR(255);
  DECLARE DUP_KEY INTEGER DEFAULT 0;
  DECLARE CONTINUE HANDLER FOR 1062
    SET DUP_KEY = 1;
  INSERT INTO PLAYERS(PLAYERNO, NAME, INITIALS, BIRTH_DATE, SEX, JOINED,
STREET, HOUSENO, POSTCODE, TOWN, PHONENO, LEAGUENO)
  VALUES(P_PLAYERNO, P_NAME, P_INITIALS, P_BIRTH_DATE, P_SEX, P_JOINED,
P_STREET, P_HOUSENO, P_POSTCODE, P_TOWN, P_PHONENO, P_LEAGUENO);
  IF(DUP_KEY = 1) THEN
    SET P_STATUS = "Duplicate primary key/player number";
  ELSE
    SET P_STATUS = "Record inserted";
  END IF;
END;
```



```
CALL newPlayer(2, 'Norman', 'B', '1966-05-11', 'M', 2000, 'Easy Street',
'123', '98204', 'Everett', '070-237893', '2411', @STATUS);
SELECT @STATUS;
```




```
CALL newPlayer(3, 'Norman', 'B', '1966-05-11', 'M', 2000, 'Easy Street',
'123', '98204', 'Everett', '070-237893', '2411', @STATUS);
SELECT @STATUS;
```