**Queries**

**1. Simple Method**

1. Avg Points

INSERT INTO suspect\_average(Points, Suspect\_Name)

SELECT Avg(Points), Suspect\_Name

FROM Evidence

WHERE Suspect\_Name IN

(SELECT DISTINCT Suspect\_Name

FROM suspect

Where Case\_ID = '$case\_id')

GROUP BY Suspect\_Name;

2. Select Query

SELECT Points, Suspect\_Name

FROM suspect\_average

WHERE Points = (SELECT MAX(Points)

FROM suspect\_average);

**2. Original Method**

1. Physical Evidences

INSERT INTO suspect\_physical(Points, Suspect\_Name)

SELECT Points, Suspect\_Name

FROM Evidence

WHERE Evidence\_Type = 'Physical'

AND Suspect\_Name IN

(SELECT DISTINCT Suspect\_Name

FROM suspect

Where Case\_ID = $case\_id);

2. Digital Evidences

INSERT INTO suspect\_digital(Points, Suspect\_Name)

SELECT Points, Suspect\_Name

FROM Evidence

WHERE Evidence\_Type = 'Digital'

AND Suspect\_Name IN

(SELECT DISTINCT Suspect\_Name

FROM suspect

Where Case\_ID = ‘$case\_id’);

3. Logical Evidences

INSERT INTO suspect\_logical(Points, Suspect\_Name)

SELECT Points, Suspect\_Name

FROM Evidence

WHERE Evidence\_Type = 'Logical'

AND Suspect\_Name IN

(SELECT DISTINCT Suspect\_Name

FROM suspect

Where Case\_ID = ‘$case\_id’);

4. Average Evidences

(a) Physical

INSERT INTO suspect\_average(Points, Suspect\_Name)

SELECT Avg(P.Points)AS Points, P.Suspect\_Name AS Suspect\_Name

FROM suspect\_physical P

GROUP BY Suspect\_Name;

(b) Logical

INSERT INTO suspect\_average(Points, Suspect\_Name)

SELECT Avg(L.Points) AS Points, L.Suspect\_Name AS Suspect\_Name

FROM suspect\_logical L

GROUP BY Suspect\_Name;

(c) Digital

INSERT INTO suspect\_average(Points, Suspect\_Name)

SELECT Avg(D.Points) AS Points, D.Suspect\_Name AS Suspect\_Name

FROM suspect\_digital D

GROUP BY Suspect\_Name;

(d) All Together

INSERT INTO suspect\_average(Points, Suspect\_Name)

SELECT (Avg(P.Points)+Avg(L.Points)+Avg(D.Points))/3 AS Points, P.Suspect\_Name AS Suspect\_Name

FROM suspect\_physical P, suspect\_logical L, suspect\_digital as D

WHERE P.Suspect\_Name=L.Suspect\_Name AND P.Suspect\_Name=D.Suspect\_Name

GROUP BY Suspect\_Name;

5. Final Insertion

INSERT INTO suspect\_max(Points, Suspect\_Name)

SELECT Avg(Points), Suspect\_Name

FROM suspect\_average

GROUP BY Suspect\_Name;

6. Select Query

SELECT Points, Suspect\_Name

FROM suspect\_max

WHERE Points = (SELECT MAX(Points)

FROM suspect\_max);