Assignment#3- Data Aggregation

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1) Create 2 tables. The first table shows the average critic score for Sports games. Store this information in a column called “sports\_critic\_scofre”. The second table shows the average critic score for Shooter games. Store this information in a column called “shooter\_critic\_score”.

SELECT \* FROM SALES

LIMIT 10;

INSERT OVERWRITE TABLE SPORTS\_CRITIC\_SCOFRE

SELECT NAME, GENRE, AVG(CRITIC\_SCORE) AS SPORTS\_CRITIC\_SCOFRE

FROM SALES

WHERE GENRE=”SPORTS”

GROUP BY GENRE;

INSERT OVERWRITE TABLE SPORTS\_CRITIC\_SCOFRE

SELECT NAME, GENRE, AVG(CRITIC\_SCORE) AS SHOOTER\_CRITIC\_SCOFRE

FROM SALES

WHERE GENRE=”SHOOTER”

GROUP BY GENRE;

2) Create 3 statistics tables (average, min, max) for the global\_sales for: all games, Sports games, Shooter games. For each table, label the columns as: “average\_global\_sales”, “min\_global\_sales”, and “max\_global\_sales”.

INSERT OVERWRITE TABLE All\_Games

SELECT AVG(Global\_Sales) AS Avg\_Global\_Sales, Max(Global\_Sales) AS Max\_Global\_Sales, MIN(Global\_Sales) AS Min\_Global\_Sales

FROM SALES;

INSERT OVERWRITE TABLE Sports\_games

SELECT GENRE, AVG(Global\_Sales) AS Avg\_Global\_Sales, Max(Global\_Sales) AS Max\_Global\_Sales, MIN(Global\_Sales) AS Min\_Global\_Sales

FROM SALES

WHERE GENRE=”Sports’

GROUP BY GENRE;

INSERT OVERWRITE TABLE Shooter\_games

SELECT GENRE, AVG(Global\_Sales) AS Avg\_Global\_Sales, Max(Global\_Sales) AS Max\_Global\_Sales, MIN(Global\_Sales) AS Min\_Global\_Sales

FROM SALES

WHERE GENRE=”Shooter”

GROUP BY GENRE;

3) Create 2 tables containing the global\_sales and the count of games with that global\_sales for: Sports games and Shooter games. For each table, label the columns as: “global\_sales” and “count”.

INSERT OVERWRITE TABLE Global\_sales\_Sports

SELECT GENRE, SUM(Global\_Sales) AS Global\_Sales, DISTINCT(COUNT(Name)) AS COUNT

FROM SALES

WHERE GENRE=”Sports”

GROUP BY GENRE;

INSERT OVERWRITE TABLE Global\_sales\_Shooter

SELECT GENRE, SUM(Global\_Sales) AS Global\_Sales, DISTINCT(COUNT(Name)) AS COUNT

FROM SALES

WHERE GENRE=”Shooter”

GROUP BY GENRE;