***ASSIGNMENT:04***

**DATE:** 17/01/2019

**Using the following tables write SQL queries:**

**TABLE1:** **ACCOUNT\_MASTER (ACCOUNT\_NO, BATCH\_NAME, AMOUNT)**

**ENTITY:** ACCOUNT\_MASTER

**ATTRIBUTE:** ACCOUNT\_NO, BATCH\_NAME, ADDRESS, AMMOUNT

**PRIMARY KEY:** ACCOUNT\_NO

|  |
| --- |
| **ACCOUNT\_MASTER** |
| ACCOUNT\_NO |
| BATCH\_NAME |
| AMMOUNT |

**TABLE1:** **ACCOUNT\_MASTER**

**CREATE TABLE**

CREATE TABLE ACCOUNT\_MASTER

(

ACCOUNT\_NO VARCHAR2(2) PRIMARY KEY,

BATCH\_NAME VARCHAR2(12),

AMOUNT NUMBER(6)

);

DESC ACCOUNT\_MASTER;

Name Null? Type

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ACCOUNT\_NO NOT NULL VARCHAR2(2)

BATCH\_NAME VARCHAR2(12)

AMOUNT NUMBER(6)

**DATA INSERTION INTO TABLE**

INSERT INTO ACCOUNT\_MASTER VALUES

('&ACCOUNT\_NO','&BATCH\_NAME',&AMOUNT);

**RECORD STORED IN TABLE**

SELECT \* FROM ACCOUNT\_MASTER;

AC BATCH\_NAME AMOUNT

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A1 KOLKATA 50000

A2 HOWRAH 40000

A3 HOWRAH 40000

A4 KOLKATA 20000

A5 DURGAPUR 30000

**QUERY 1: CREATE A VIEW THAT WILL SHOW BRANCH NAME AND TOTAL AMOUNT OF THAT**

**BRANCH. THE NAME OF THE VIEW WILL BE ACCOUNT.**

CREATE VIEW ACCOUNT AS SELECT BATCH\_NAME

AS BRANCH\_NAME,SUM(AMOUNT) AS TOTAL\_AMOUNT

FROM ACCOUNT\_MASTER GROUP BY BATCH\_NAME;

**OUTPUT:**

SELECT \* FROM ACCOUNT;

BRANCH\_NAME TOTAL\_AMOUNT

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DURGAPUR 30000

KOLKATA 70000

HOWRAH 80000

**QUERY 2(I): SELECT THE BRANCH NAME HAVING TOTAL AMOUNT GREATER THAN**

**50,000 USING ACCOUNT VIEW.**

SELECT BRANCH\_NAME

FROM ACCOUNT

WHERE TOTAL\_AMOUNT>50000;

**OUTPUT:**

BRANCH\_NAME

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KOLKATA

HOWRAH

**QUERY 2(II): SELECT THE BRANCH NAME HAVING TOTAL AMOUNT GREATER**

**THAN 50,000 WITHOUT USING VIEW.**

SELECT BATCH\_NAME

FROM ACCOUNT\_MASTER

GROUP BY BATCH\_NAME

HAVING SUM(AMOUNT)>50000;

**OUTPUT:**

BATCH\_NAME

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KOLKATA

HOWRAH