1.**Write a query which will display the customer id, account type they hold, their account number and bank name.**  
  
SELECT AI.CUSTOMER\_ID, AI.ACCOUNT\_TYPE, AI.ACCOUNT\_NO, BI.BANK\_NAME  
FROM BANK\_INFO BI  
INNER JOIN ACCOUNT\_INFO AI  
ON BI.IFSC\_CODE=AI.IFSC\_CODE;  
  
CUSTO ACCOUNT\_TY ACCOUNT\_NO BANK\_NAME

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C-001 SAVINGS 1.2346E+15 HDFC

C-002 SALARY 1.2346E+15 SBI

C-003 SAVINGS 1.2346E+15 ICICI

C-005 SAVINGS 1.2346E+15 SBI

2. **Write a query which will display the customer id, account type and the account number of HDFC customers who registered after 12-JAN-2012 and before 04-APR-2012.**

SELECT AI.CUSTOMER\_ID, AI.ACCOUNT\_TYPE, AI.ACCOUNT\_NO

FROM ACCOUNT\_INFO AI

INNER JOIN BANK\_INFO BI

ON AI.IFSC\_CODE=BI.IFSC\_CODE

WHERE AI.REGISTRATION\_DATE BETWEEN '13-JAN-2012' AND '03-APR-2012'

AND BI.BANK\_NAME='HDFC';

CUSTO ACCOUNT\_TY ACCOUNT\_NO

----- ---------- ----------

C-001 SAVINGS 1.2346E+15

3. **Write a query which will display the customer id, customer name, account no, account type and bank name where the customers hold the account.**  
  
SELECT C.CUSTOMER\_ID, C.CUSTOMER\_NAME, A.ACCOUNT\_NO, A.ACCOUNT\_TYPE, B.BANK\_NAME  
FROM BANK\_INFO B  
INNER JOIN ACCOUNT\_INFO A  
ON B.IFSC\_CODE=A.IFSC\_CODE  
INNER JOIN CUSTOMER\_PERSONAL\_INFO C  
ON C.CUSTOMER\_ID=A.CUSTOMER\_ID  
WHERE A.ACCOUNT\_NO IS NOT NULL;

CUSTO CUSTOMER\_NAME ACCOUNT\_NO ACCOUNT\_TY

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BANK\_NAME

-------------------------

C-001 JOHN 1.2346E+15 SAVINGS

HDFC

C-002 JAMES 1.2346E+15 SALARY

SBI

C-003 SUNITHA 1.2346E+15 SAVINGS

ICICI

CUSTO CUSTOMER\_NAME ACCOUNT\_NO ACCOUNT\_TY

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BANK\_NAME

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C-005 KUMAR 1.2346E+15 SAVINGS

SBI

4. **Write a query which will display the customer id, customer name, gender, marital status along with the unique reference string and sort the records based on customer id in descending order.**

SELECT CUSTOMER\_ID, CUSTOMER\_NAME, GENDER, MARITAL\_STATUS, CONCAT(CUSTOMER\_NAME,CONCAT('\_',CONCAT(GENDER,CONCAT('\_',MARITAL\_STATUS))))

AS UNIQUE\_REF\_STRING

FROM CUSTOMER\_PERSONAL\_INFO;

CUSTO CUSTOMER\_NAME G MARITAL\_ST

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UNIQUE\_REF\_STRING

-------------------------------------------

C-005 KUMAR M SINGLE

KUMAR\_M\_SINGLE

C-003 SUNITHA F SINGLE

SUNITHA\_F\_SINGLE

C-002 JAMES M MARRIED

JAMES\_M\_MARRIED

CUSTO CUSTOMER\_NAME G MARITAL\_ST

----- ------------------------------ - ----------

UNIQUE\_REF\_STRING

-------------------------------------------

C-001 JOHN M SINGLE

JOHN\_M\_SINGLE

5. **Write a query which will display the account number, customer id, registration date, initial deposit amount of the customer whose initial deposit amount is within the range of Rs.15000 to Rs.25000.**

SELECT ACCOUNT\_NO, CUSTOMER\_ID, REGISTRATION\_DATE, INITIAL\_DEPOSIT

FROM ACCOUNT\_INFO

WHERE INITIAL\_DEPOSIT BETWEEN 15000 AND 25000;

ACCOUNT\_NO CUSTO REGISTRAT INITIAL\_DEPOSIT

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1.2346E+15 C-003 15-MAR-12 16000

1.2346E+15 C-005 12-APR-12 20000

6. **Write a query which will display customer id, customer name, date of birth, guardian name of the customers whose name starts with 'J'.**

SELECT CUSTOMER\_ID, CUSTOMER\_NAME, DATE\_OF\_BIRTH, GUARDIAN\_NAME

FROM CUSTOMER\_PERSONAL\_INFO

WHERE CUSTOMER\_NAME LIKE 'J%';

CUSTO CUSTOMER\_NAME DATE\_OF\_B GUARDIAN\_NAME

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C-001 JOHN 03-MAY-84 PETER

C-002 JAMES 06-AUG-84 GEORGE

7. **Write a query which will display customer id, account number and passcode.**

**<br/>Hint: To generate passcode, join the last three digits of customer id and last four digit of account number.**

**<br/>Example**

**<br/>C-001 1234567898765432 0015432**

**<br/>Use ""PASSCODE"" as alias name for displaying the passcode."**

SQL> SELECT CUSTOMER\_ID,ACCOUNT\_NO,CONCAT(SUBSTR(CUSTOMER\_ID,-3),SUBSTR(ACCOUNT\_NO,-4)) AS PASSCODE

2 FROM ACCOUNT\_INFO;

CUSTO ACCOUNT\_NO PASSCOD

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C-001 1.2346E+15 0015432

C-002 1.2346E+15 0025433

C-003 1.2346E+15 0035434

C-005 1.2346E+15 0055436

**8.\*Write a query which will display the customer id, customer name, date of birth, Marital Status, Gender, Guardian name, contact no and email id of the customers whose gender is male 'M' and marital status is MARRIED.**

SELECT CUSTOMER\_ID, CUSTOMER\_NAME, DATE\_OF\_BIRTH, MARITAL\_STATUS, GENDER, GUARDIAN\_NAME, CONTACT\_NO, MAIL\_ID

FROM CUSTOMER\_PERSONAL\_INFO

WHERE GENDER='M' AND MARITAL\_STATUS='MARRIED';

CUSTO CUSTOMER\_NAME DATE\_OF\_B MARITAL\_ST G

----- ------------------------------ --------- ---------- -

GUARDIAN\_NAME CONTACT\_NO MAIL\_ID

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C-002 JAMES 06-AUG-84 MARRIED M

GEORGE 9237893481 [JAMES\_123@gmail.com](mailto:JAMES_123@gmail.com)

**9. Write a query which will display the customer id, customer name, guardian name, reference account holders name of the customers who are referenced / referred by their 'FRIEND'.**

SELECT CPI.CUSTOMER\_ID, CPI.CUSTOMER\_NAME, CPI.GUARDIAN\_NAME, CRI.REFERENCE\_ACC\_NAME AS FRIEND

FROM CUSTOMER\_PERSONAL\_INFO CPI

INNER JOIN CUSTOMER\_REFERENCE\_INFO CRI

ON CPI.CUSTOMER\_ID=CRI.CUSTOMER\_ID;

CUSTO CUSTOMER\_NAME GUARDIAN\_NAME

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FRIEND

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C-001 JOHN PETER

RAM

C-002 JAMES GEORGE

RAGHUL

C-003 SUNITHA VINOD

GOKUL

CUSTO CUSTOMER\_NAME GUARDIAN\_NAME

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FRIEND

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C-005 KUMAR KIRAN

VIVEK

**10. Write a query to display the customer id, account number and interest amount in the below format with INTEREST\_AMT as alias name Sort the result based on the INTEREST\_AMT in ascending order. <BR/>Example: $5<BR/>Hint: Need to prefix $ to interest amount and round the result without decimals.**

SELECT CUSTOMER\_ID, ACCOUNT\_NO, CONCAT('$',ROUND(INTEREST,0)) AS INTEREST\_AMT

FROM ACCOUNT\_INFO;

CUSTO ACCOUNT\_NO INTEREST\_AMT

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C-001 1.2346E+15 $5

C-002 1.2346E+15 $6

C-003 1.2346E+15 $4

C-005 1.2346E+15 $8

11. **Write a query which will display the customer id, customer name, account no, account type, activation date, bank name whose account will be activated on '10-APR-2012'**

SELECT CPI.CUSTOMER\_ID, CPI.CUSTOMER\_NAME, AI.ACCOUNT\_NO, AI.ACCOUNT\_TYPE, AI.ACTIVATION\_DATE, BI.BANK\_NAME

FROM CUSTOMER\_PERSONAL\_INFO CPI

INNER JOIN ACCOUNT\_INFO AI

ON CPI.CUSTOMER\_ID=AI.CUSTOMER\_ID

INNER JOIN BANK\_INFO BI

ON BI.IFSC\_CODE=AI.IFSC\_CODE

WHERE AI.ACTIVATION\_DATE='10-APR-2012';

no rows selected

12**. Write a query which will display account number, customer id, customer name, bank name, branch name, ifsc code, citizenship,interest and initial deposit amount of all the customers.**

SELECT AI.ACCOUNT\_NO, CPI.CUSTOMER\_ID, CPI.CUSTOMER\_NAME, BI.BANK\_NAME, BI.BRANCH\_NAME, BI.IFSC\_CODE, CPI.CITIZENSHIP, AI.INTEREST, AI.INITIAL\_DEPOSIT

FROM CUSTOMER\_PERSONAL\_INFO CPI

INNER JOIN ACCOUNT\_INFO AI

ON CPI.CUSTOMER\_ID=AI.CUSTOMER\_ID

INNER JOIN BANK\_INFO BI

ON BI.IFSC\_CODE=AI.IFSC\_CODE;

ACCOUNT\_NO CUSTO CUSTOMER\_NAME BANK\_NAME

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BRANCH\_NAME IFSC\_CODE CITIZENSHI INTEREST INITIAL\_DEPOSIT

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1.2346E+15 C-001 JOHN HDFC

VALASARAVAKKAM HDVL0012 INDIAN 5 10000

1.2346E+15 C-002 JAMES SBI

TNAGAR SBITN0123 INDIAN 6 0

1.2346E+15 C-003 SUNITHA ICICI

TNAGAR ICITN0232 INDIAN 4 16000

ACCOUNT\_NO CUSTO CUSTOMER\_NAME BANK\_NAME

---------- ----- ------------------------------ -------------------------

BRANCH\_NAME IFSC\_CODE CITIZENSHI INTEREST INITIAL\_DEPOSIT

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1.2346E+15 C-005 KUMAR SBI

SAIDAPET SBISD0113 INDIAN 8 20000

**13. Write a query which will display customer id, customer name, date of birth, guardian name, contact number, mail id and reference account holder's name of the customers who has submitted the passport as an identification document.**

SELECT CPI.CUSTOMER\_ID, CPI.CUSTOMER\_NAME, CPI.DATE\_OF\_BIRTH, CPI.GUARDIAN\_NAME, CPI.MAIL\_ID, CRI.REFERENCE\_ACC\_NAME

FROM CUSTOMER\_PERSONAL\_INFO CPI

INNER JOIN CUSTOMER\_REFERENCE\_INFO CRI

ON CPI.CUSTOMER\_ID=CRI.CUSTOMER\_ID

WHERE CPI.IDENTIFICATION\_DOC\_TYPE='PASSPORT';

CUSTO CUSTOMER\_NAME DATE\_OF\_B GUARDIAN\_NAME

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MAIL\_ID REFERENCE\_ACC\_NAME

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C-001 JOHN 03-MAY-84 PETER

JOHN\_123@gmail.com RAM

C-002 JAMES 06-AUG-84 GEORGE

JAMES\_123@gmail.com RAGHUL

C-005 KUMAR 26-APR-83 KIRAN

KUMAR\_123@gmail.com VIVEK

**14. Write a query to display the customer id, customer name, account number, account type, initial deposit, interest who have deposited maximum amount in the bank.**

**15.** **Write a query to display the customer id, customer name, account number, account type, interest, bank name and initial deposit amount of the customers who are getting maximum interest rate.**

**16. Write a query to display the customer id, customer name, account no, bank name, contact no and mail id of the customers who are from BANGALORE.**

SELECT CPI.CUSTOMER\_ID, CPI.CUSTOMER\_NAME, AI.ACCOUNT\_NO, BI.BANK\_NAME, BI.BRANCH\_NAME, CPI.CONTACT\_NO, CPI.MAIL\_ID

FROM CUSTOMER\_PERSONAL\_INFO CPI

INNER JOIN ACCOUNT\_INFO AI

ON CPI.CUSTOMER\_ID=AI.CUSTOMER\_ID

INNER JOIN BANK\_INFO BI

ON BI.IFSC\_CODE=AI.IFSC\_CODE

WHERE CPI.ADDRESS LIKE '%BANGALORE';

CUSTO CUSTOMER\_NAME ACCOUNT\_NO BANK\_NAME

----- ------------------------------ ---------- -------------------------

BRANCH\_NAME CONTACT\_NO MAIL\_ID

------------------------- ---------- ------------------------------

C-001 JOHN 1.2346E+15 HDFC

VALASARAVAKKAM 9734526719 JOHN\_123@gmail.com

C-002 JAMES 1.2346E+15 SBI

TNAGAR 9237893481 JAMES\_123@gmail.com

C-005 KUMAR 1.2346E+15 SBI

SAIDAPET 9242342312 [KUMAR\_123@gmail.com](mailto:KUMAR_123@gmail.com)

17. **Write a query which will display customer id, bank name, branch name, ifsc code, registration date, activation date of the customers whose activation date is in the month of march (March 1'st to March 31'st).**

SQL> SELECT C.CUSTOMER\_ID, B.BANK\_NAME, B.BRANCH\_NAME, B.IFSC\_CODE, A.REGISTRATION\_DATE, A.ACTIVATION\_DATE

2 FROM CUSTOMER\_PERSONAL\_INFO C

3 INNER JOIN ACCOUNT\_INFO A

4 ON C.CUSTOMER\_ID=A.CUSTOMER\_ID

5 INNER JOIN BANK\_INFO B

6 ON B.IFSC\_CODE=A.IFSC\_CODE

7 WHERE ACTIVATION\_DATE LIKE '\_\_-03-\_\_\_\_';

no rows selected

18. **Write a query which will calculate the interest amount and display it along with customer id, customer name,**

**account number, account type, interest, and initial deposit amount.<BR>Hint :Formula for interest amount,**

**calculate: ((interest/100) \* initial deposit amt) with column name 'interest\_amt' (alias)**

> SELECT ((INTEREST/100)\*INITIAL\_DEPOSIT) AS INTEREST\_AMT, C.CUSTOMER\_ID, C.CUSTOMER\_NAME, A.ACCOUNT\_NO, A.ACCOUNT\_TYPE, A.INTEREST, A.INITIAL\_DEPOSIT

2 FROM CUSTOMER\_PERSONAL\_INFO C

3 INNER JOIN ACCOUNT\_INFO A

4 ON C.CUSTOMER\_ID=A.CUSTOMER\_ID;

INTEREST\_AMT CUSTO CUSTOMER\_NAME ACCOUNT\_NO ACCOUNT\_TY INTEREST

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INITIAL\_DEPOSIT

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500 C-001 JOHN 1.2346E+15 SAVINGS 5

10000

0 C-002 JAMES 1.2346E+15 SALARY 6

0

640 C-003 SUNITHA 1.2346E+15 SAVINGS 4

16000

1600 C-005 KUMAR 1.2346E+15 SAVINGS 8

20000

19. **Write a query to display the customer id, customer name, date of birth, guardian name, contact number,**

**mAl id, reference name who has been referenced by 'RAGHUL'**

SQL> SELECT C.CUSTOMER\_ID, C.CUSTOMER\_NAME, C.DATE\_OF\_BIRTH, C.GUARDIAN\_NAME, C.CONTACT\_NO, C.MAL\_ID, R.REFERENCE\_ACC\_NAME

2 FROM CUSTOMER\_PERSONAL\_INFO C

3 INNER JOIN CUSTOMER\_REFERENCE\_INFO R

4 ON C.CUSTOMER\_ID=R.CUSTOMER\_ID

5 WHERE R.REFERENCE\_ACC\_NAME='RAGHUL';

CUSTO CUSTOMER\_NAME DATE\_OF\_B GUARDIAN\_NAME CONTACT\_NO

----- -------------------- --------- ------------------------------ ----------

MAL\_ID REFERENCE\_ACC\_NAME

------------------------------ --------------------

C-002 JAMES 06-AUG-84 GEORGE 9237893481

JAMES\_123@gmAl.com RAGHUL

20. **Write a query which will display the customer id, customer name and contact number with ISD code of all customers in below mentioned format. Sort the result based on the customer id in descending order.**

SQL> SELECT CUSTOMER\_ID,CUSTOMER\_NAME,CONCAT(CONCAT(CONCAT(CONCAT(CONCAT('+91',SUBSTR(CONTACT\_NO,1,3)),'-'),SUBSTR(CONTACT\_NO,4,3)),'-'),SUBSTR(CONTACT\_NO,-4)) AS CONTACT\_ISD FROM CUSTOMER\_PERSONAL\_INFO ORDER BY CUSTOMER\_ID DESC;

CUSTO CUSTOMER\_NAME CONTACT\_ISD

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C-005 KUMAR +91924-234-2312

C-003 SUNITHA +91943-897-8389

C-002 JAMES +91923-789-3481

C-001 JOHN +91973-452-6719

**21. Write a query which will display account number, account type, customer id, customer name, date of birth, guardian name,**

**contact no, mAl id , gender, reference account holders name, reference account holders account number, registration date,**

**activation date, number of days between the registration date and activation date with alias name "NoofdaysforActivation",**

**bank name, branch name and initial deposit for all the customers.**

**22.** "**Write a query which will display customer id, customer name,  guardian name, identification doc type, reference account holders name, account type, ifsc code, bank name and current balance for the customers who has only the savings account Hint: Formula for calculating current balance is add the intital deposit amount and interest and display without any decimals. Use ""CURRENT\_BALANCE"" as alias name."**

**23. "Write a query which will display the customer id, customer name, account number, account type, interest, initial deposit;**

**<br/>check the initial deposit,<br/> if initial deposit is 20000 then display ""high"",<br/> if initial deposit is 16000 display 'moderate'**

**,<br/> if initial deposit is 10000 display 'average', <br/>if initial deposit is 5000 display 'low', <br/>if initial deposit is 0 display**

**'very low' otherwise display 'invalid' and sort by interest in descending order.<br/>**

**Hint: Name the column as ""Deposit\_Status"" (alias).**

**<br/>Strictly follow the lower case for strings in this query."**

SQL> SELECT C.CUSTOMER\_ID, C.CUSTOMER\_NAME, A.ACCOUNT\_NO, A.ACCOUNT\_TYPE, A.INTEREST, A.INITIAL\_DEPOSIT,

2 CASE

3 WHEN INITIAL\_DEPOSIT=20000 THEN 'high'

4 WHEN INITIAL\_DEPOSIT=16000 THEN 'moderate'

5 WHEN INITIAL\_DEPOSIT=10000 THEN 'average'

6 WHEN INITIAL\_DEPOSIT=5000 THEN 'low'

7 WHEN INITIAL\_DEPOSIT=0 THEN 'very low'

8 ELSE 'invalid' END DEPOSIT\_STATUS

9 FROM CUSTOMER\_PERSONAL\_INFO C

10 INNER JOIN ACCOUNT\_INFO A

11 ON C.CUSTOMER\_ID=A.CUSTOMER\_ID;

CUSTO CUSTOMER\_NAME ACCOUNT\_NO ACCOUNT\_TY INTEREST INITIAL\_DEPOSIT

----- -------------------- ---------- ---------- ---------- ---------------

DEPOSIT\_

--------

C-001 JOHN 1.2346E+15 SAVINGS 5 10000

average

C-002 JAMES 1.2346E+15 SALARY 6 0

very low

C-003 SUNITHA 1.2346E+15 SAVINGS 4 16000

moderate

CUSTO CUSTOMER\_NAME ACCOUNT\_NO ACCOUNT\_TY INTEREST INITIAL\_DEPOSIT

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DEPOSIT\_

--------

C-004 RAMESH 1.2346E+15 SALARY 7 0

very low

C-005 KUMAR 1.2346E+15 SAVINGS 8 20000

High

**24. "Write a query which will display customer id, customer name, account number, account type, bank name, ifsc code, initial deposit amount**

**and new interest amount for the customers whose name starts with ""J"".**

**<br/> Hint: Formula for calculating ""new interest amount"" is**

**if customers account type is savings then add 10 % on current interest amount to interest amount else display the current interest amount.**

**Round the new interest amount to 2 decimals.<br/> Use ""NEW\_INTEREST"" as alias name for displaying the new interest amount.**

SELECT CPI.CUSTOMER\_ID, CPI.CUSTOMER\_NAME, AI.ACCOUNT\_NO, AI.ACCOUNT\_TYPE, BI.BANK\_NAME, BI.IFSC\_CODE, AI.INITIAL\_DEPOSIT,

CASE

WHEN ACCOUNT\_TYPE='SAVINGS' THEN ROUND((INTEREST+(INTEREST\*10/100)),2)

ELSE INTEREST END 'NEW INTEREST AMOUNT'

FROM CUSTOMER\_PERSONAL\_INFO CPI

INNER JOIN ACCOUNT\_INFO AI

ON CPI.CUSTOMER\_ID=AI.CUSTOMER\_ID

INNER JOIN BANK\_INFO BI

ON BI.IFSC\_CODE=AI.IFSC\_CODE

WHERE CPI.CUSTOMER\_NAME LIKE 'J%';

25. **Write query to display the customer id, customer name, account no, initial deposit, tax percentage as calculated below. Hint: If initial deposit = 0**

**then tax is '0%' If initial deposit less than and = 10000 then tax is '3%' If initial deposit greater than; 10000 and initial deposit less than;**

**20000 then tax is '5%' If initial deposit greater than= 20000 and initial deposit less than ;=30000 then tax is '7%' If initial deposit is greater than 30000 then**

**tax is '10%' Use the alias name 'taxPercentage'**

SELECT CPI.CUSTOMER\_ID, CPI.CUSTOMER\_NAME, AI.ACCOUNT\_NO, AI.INITIAL\_DEPOSIT,

CASE

WHEN INITIAL\_DEPOSIT=0 THEN '0%'

WHEN INITIAL\_DEPOSIT<=10000 THEN '3%'

WHEN INITIAL\_DEPOSIT>10000 AND INITIAL\_DEPOSIT<20000 THEN '5%'

WHEN INITIAL\_DEPOSIT>=20000 AND INITIAL\_DEPOSIT<=30000 THEN '7%'

WHEN INITIAL\_DEPOSIT>30000 THEN '10%' END 'TAX PERCENTAGE'

FROM CUSTOMER\_PERSONAL\_INFO CPI

INNER JOIN ACCOUNT\_INFO AI;