SQL-QUERIES

--PRITHIVIRAJ S

--1) Write a query which will display the customer id, account type they hold, their account number and bank name.

--ANS

SELECT CU.CUSTOMER\_ID,AC.ACCOUNT\_TYPE,BA.BANK\_NAME

FROM CUSTOMER\_PERSONAL\_INFO\_2605 CU

JOIN ACCOUNT\_INFO\_2605 AC ON CU.CUSTOMER\_ID = AC.CUSTOMER\_ID

JOIN BANK\_INFO\_2605 BA ON AC.IFSC\_CODE=BA.IFSC\_CODE

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--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.

--ANS

SELECT AC.CUSTOMER\_ID,AC.ACCOUNT\_TYPE,AC.ACCOUNT\_NO,AC.REGISTRATION\_DATE,BA.BANK\_NAME

FROM ACCOUNT\_INFO\_2605 AC

JOIN BANK\_INFO\_2605 BA ON AC.IFSC\_CODE=BA.IFSC\_CODE

WHERE BA.BANK\_NAME = 'HDFC' AND AC.REGISTRATION\_DATE BETWEEN '12-JAN-2012' AND '04-APR-2012'

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--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.

--ANS

SELECT CU.CUSTOMER\_ID,CU.CUSTOMER\_NAME,AC.ACCOUNT\_NO,BA.BANK\_NAME

FROM CUSTOMER\_PERSONAL\_INFO\_2605 CU

JOIN ACCOUNT\_INFO\_2605 AC ON CU.CUSTOMER\_ID = AC.CUSTOMER\_ID

JOIN BANK\_INFO\_2605 BA ON AC.IFSC\_CODE = BA.IFSC\_CODE

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--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.

-- Hint: Generate unique reference string as mentioned below

--Use ""UNIQUE\_REF\_STRING"" as alias name for displaying the unique reference string."

--ANS

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--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.

--ANS

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

FROM ACCOUNT\_INFO\_2605 AC

WHERE AC.INITIAL\_DEPOSIT BETWEEN 15000 AND 25000

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

--ANS

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

FROM CUSTOMER\_PERSONAL\_INFO\_2605 CU

WHERE CU.CUSTOMER\_NAME LIKE 'J%'

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

--Hint: To generate passcode, join the last three digits of customer id and last four digit of account number.

-- Example

--: C-001 1234567898765432 0015432

--. Use ""PASSCODE"" as alias name for displaying the passcode."

--ANS

SELECT AC.CUSTOMER\_ID,AC.ACCOUNT\_NO,SUBSTR(CUSTOMER\_ID,-3)||SUBSTR(ACCOUNT\_NO,-4) PASSCODE

FROM ACCOUNT\_INFO\_2605 AC

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--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.

--ANS

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

FROM CUSTOMER\_PERSONAL\_INFO\_2605

WHERE GENDER='M' AND MARITAL\_STATUS LIKE 'M%'

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--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'.

--ANS

SELECT CU.CUSTOMER\_NAME,CU.GUARDIAN\_NAME,CU.CUSTOMER\_ID,CUF.REFERENCE\_ACC\_NAME,CUF.RELATION

FROM CUSTOMER\_PERSONAL\_INFO\_2605 CU

JOIN CUSTOMER\_REFERENCE\_INFO\_2605 CUF ON CU.CUSTOMER\_ID=CUF.CUSTOMER\_ID

WHERE CUF.RELATION LIKE 'F%'

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--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.Hint: Need to prefix $ to interest amount and round the result without decimals.

--ANS

SELECT CUSTOMER\_ID,ACCOUNT\_NO,'$'||ROUND((INTEREST/100)\*INITIAL\_DEPOSIT) INTEREST\_AMT

FROM ACCOUNT\_INFO\_2605

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--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'

--ANS

SELECT CU.CUSTOMER\_ID,CU.CUSTOMER\_NAME,AC.ACCOUNT\_NO,AC.ACCOUNT\_TYPE,AC.ACTIVATION\_DATE

FROM CUSTOMER\_PERSONAL\_INFO\_2605 CU

JOIN ACCOUNT\_INFO\_2605 AC ON CU.CUSTOMER\_ID=AC.CUSTOMER\_ID

WHERE AC.ACTIVATION\_DATE='10-APR-2012'

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--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.

--ANS

SELECT AC.ACCOUNT\_NO,AC.IFSC\_CODE,AC.INTEREST,AC.INITIAL\_DEPOSIT,CU.CITIZENSHIP,CU.CUSTOMER\_ID,CU.CUSTOMER\_NAME,BA.BANK\_NAME,BA.BRANCH\_NAME

FROM CUSTOMER\_PERSONAL\_INFO\_2605 CU

JOIN ACCOUNT\_INFO\_2605 AC ON CU.CUSTOMER\_ID = AC.CUSTOMER\_ID

JOIN BANK\_INFO\_2605 BA ON AC.IFSC\_CODE=BA.IFSC\_CODE

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--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.

--ANS

SELECT CU.CUSTOMER\_ID,CU.CUSTOMER\_NAME,CU.DATE\_OF\_BIRTH,CU.GUARDIAN\_NAME,CU.CONTACT\_NO,CU.MAIL\_ID,CU.IDENTIFICATION\_DOC\_TYPE,CUF.REFERENCE\_ACC\_NAME

FROM CUSTOMER\_PERSONAL\_INFO\_2605 CU

JOIN CUSTOMER\_REFERENCE\_INFO\_2605 CUF ON CUF.CUSTOMER\_ID=CU.CUSTOMER\_ID

WHERE IDENTIFICATION\_DOC\_TYPE LIKE 'PAS%'

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--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.

--ANS

SELECT CU.CUSTOMER\_ID,CU.CUSTOMER\_NAME,AC.ACCOUNT\_NO,AC.ACCOUNT\_TYPE,AC.INITIAL\_DEPOSIT,AC.INTEREST

FROM CUSTOMER\_PERSONAL\_INFO\_2605 CU

JOIN ACCOUNT\_INFO\_2605 AC ON AC.CUSTOMER\_ID=CU.CUSTOMER\_ID

WHERE INITIAL\_DEPOSIT =(SELECT MAX(INITIAL\_DEPOSIT) FROM ACCOUNT\_INFO\_2605)

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--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.

SELECT

--ANS CU.CUSTOMER\_ID,CU.CUSTOMER\_NAME,AC.ACCOUNT\_NO,AC.ACCOUNT\_TYPE,AC.INITIAL\_DEPOSIT,AC.INTEREST,BA.BANK\_NAME

FROM CUSTOMER\_PERSONAL\_INFO\_2605 CU

JOIN ACCOUNT\_INFO\_2605 AC ON AC.CUSTOMER\_ID=CU.CUSTOMER\_ID

JOIN BANK\_INFO\_2605 BA ON BA.IFSC\_CODE=AC.IFSC\_CODE

WHERE INTEREST =(SELECT MAX(INTEREST) FROM ACCOUNT\_INFO\_2605)

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--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.

--ANS

SELECT CU.CUSTOMER\_ID,CU.CUSTOMER\_NAME,AC.ACCOUNT\_NO,BA.BANK\_NAME,CU.CONTACT\_NO,CU.MAIL\_ID,CU.ADDRESS

FROM CUSTOMER\_PERSONAL\_INFO\_2605 CU

JOIN ACCOUNT\_INFO\_2605 AC ON AC.CUSTOMER\_ID=CU.CUSTOMER\_ID

JOIN BANK\_INFO\_2605 BA ON BA.IFSC\_CODE=AC.IFSC\_CODE

WHERE CU.ADDRESS LIKE '%ORE'

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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).

--ANS

SELECT AC.CUSTOMER\_ID,BA.BANK\_NAME,BA.BRANCH\_NAME,AC.IFSC\_CODE,AC.REGISTRATION\_DATE,AC.ACTIVATION\_DATE

FROM ACCOUNT\_INFO\_2605 AC--,BANK\_INFO\_2605 BA

JOIN BANK\_INFO\_2605 BA ON BA.IFSC\_CODE=AC.IFSC\_CODE

WHERE AC.ACTIVATION\_DATE BETWEEN '01-MAR-2012' AND '31-MAR-2012'

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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)

--ANS

SELECT CU.CUSTOMER\_ID,CU.CUSTOMER\_NAME,AC.ACCOUNT\_NO,AC.ACCOUNT\_TYPE,AC.INTEREST,AC.INITIAL\_DEPOSIT,((INTEREST/100)\*INITIAL\_DEPOSIT) INTEREST\_AMT

FROM CUSTOMER\_PERSONAL\_INFO\_2605 CU

JOIN ACCOUNT\_INFO\_2605 AC ON CU.CUSTOMER\_ID=AC.CUSTOMER\_ID

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

mail id, reference name who has been referenced by 'RAGHUL'.

--ANS

SELECT CU.CUSTOMER\_ID,CU.CUSTOMER\_NAME,CU.DATE\_OF\_BIRTH,CU.GUARDIAN\_NAME,CU.CONTACT\_NO,CU.MAIL\_ID,CUF.REFERENCE\_ACC\_NAME

FROM CUSTOMER\_PERSONAL\_INFO\_2605 CU

JOIN CUSTOMER\_REFERENCE\_INFO\_2605 CUF ON CUF.CUSTOMER\_ID=CU.CUSTOMER\_ID

WHERE CUF.REFERENCE\_ACC\_NAME ='RAGHUL'

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--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.

--Format for contact number is :

--""+91-3digits-3digits-4digits""

-- Example: +91-924-234-2312

-- Use ""CONTACT\_ISD"" as alias name."

--ANS

SELECT CUSTOMER\_ID,CUSTOMER\_NAME,'+91'||'-'||SUBSTR(CONTACT\_NO,1,3)||'-'||SUBSTR(CONTACT\_NO,4,6)||'-'||SUBSTR(CONTACT\_NO,7,10) CONTACT\_NO

FROM CUSTOMER\_PERSONAL\_INFO\_2605

ORDER BY CUSTOMER\_ID

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

--contact no, mail 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.

--ANS

SELECT AC.ACCOUNT\_NO,AC.ACCOUNT\_TYPE,CU.CUSTOMER\_ID,CU.CUSTOMER\_NAME,CU.DATE\_OF\_BIRTH,CU.GUARDIAN\_NAME,

CU.CONTACT\_NO,CU.MAIL\_ID,CU.GENDER,CUF.REFERENCE\_ACC\_NAME,CUF.REFERENCE\_ACC\_NO,AC.REGISTRATION\_DATE,AC.ACTIVATION\_DATE,

BA.BANK\_NAME,BA.BRANCH\_NAME,AC.INITIAL\_DEPOSIT, TO\_DATE(AC.ACTIVATION\_DATE) - TO\_DATE(AC.REGISTRATION\_DATE) NOOFDAYSFORACTIVATION

FROM CUSTOMER\_PERSONAL\_INFO\_2605 CU

JOIN ACCOUNT\_INFO\_2605 AC ON AC.CUSTOMER\_ID=CU.CUSTOMER\_ID

JOIN BANK\_INFO\_2605 BA ON BA.IFSC\_CODE=AC.IFSC\_CODE

JOIN CUSTOMER\_REFERENCE\_INFO\_2605 CUF ON CUF.CUSTOMER\_ID=CU.CUSTOMER\_ID

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--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.

--<br/>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."

--ANS

SELECT CU.CUSTOMER\_ID,CU.CUSTOMER\_NAME,CU.GUARDIAN\_NAME,CU.IDENTIFICATION\_DOC\_TYPE,CUF.REFERENCE\_ACC\_NAME,AC.ACCOUNT\_TYPE,AC.IFSC\_CODE,

BA.BANK\_NAME,ROUND(AC.INITIAL\_DEPOSIT+AC.INTEREST) CURRENT\_BALANCE

FROM CUSTOMER\_PERSONAL\_INFO\_2605 CU

JOIN ACCOUNT\_INFO\_2605 AC ON CU.CUSTOMER\_ID=AC.CUSTOMER\_ID

JOIN CUSTOMER\_REFERENCE\_INFO\_2605 CUF ON CUF.CUSTOMER\_ID=CU.CUSTOMER\_ID

JOIN BANK\_INFO\_2605 BA ON BA.IFSC\_CODE=AC.IFSC\_CODE

WHERE AC.ACCOUNT\_TYPE LIKE 'SAVINGS'

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