**Bank Database Solutions**

1. select a.Customer\_ID, a.account\_type, a.account\_no, b.bank\_name from account\_info a

join bank\_info b on(a.ifsc\_code = b.ifsc\_code);

1. select Customer\_ID, account\_type, account\_no from account\_info a

join bank\_info b on(a.ifsc\_code = b.ifsc\_code) where b.bank\_name = 'HDFC'

and registration\_date between '2012-01-12' and '2012-04-04';

1. select a.Customer\_ID, c.Customer\_Name, a.account\_no, a.account\_type, b.bank\_name from account\_info a

join bank\_info b on(a.ifsc\_code = b.ifsc\_code)

join customer\_personal\_info c on(a.customer\_id = c.customer\_id);

1. select Customer\_ID, Customer\_Name, gender, marital\_status, concat(customer\_name,'\_',gender,'\_',marital\_status)

UNIQUE\_REF\_STRING from customer\_personal\_info;

1. select account\_no, customer\_id, registration\_date, initial\_deposit from account\_info

where initial\_deposit between 15000 and 25000;

1. select Customer\_ID, Customer\_Name, date\_of\_birth, guardian\_name from customer\_personal\_info where guardian\_name like 'j%';
2. select Customer\_ID, account\_no, concat(substr(customer\_id,3,5),substr(account\_no,14,16)) passcode from account\_info;
3. 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';
4. select c.customer\_id, c.Customer\_Name, c.guardian\_name, r.reference\_acc\_name from customer\_personal\_info c join customer\_reference\_info r on(c.customer\_id = r.customer\_id) where relation = 'friend';
5. select customer\_id, account\_no, concat('$',round(interest)) INTEREST\_AMT from account\_info group by interest;
6. select i.Customer\_ID, i.Customer\_Name, a.account\_no, a.account\_type, a.activation\_date, b.bank\_name

from customer\_personal\_info i join account\_info a on(i.customer\_id = a.customer\_id)

join bank\_info b on(a.ifsc\_code = b.ifsc\_code)

where a.activation\_date = '2012-04-10';

1. select a.account\_no, a.customer\_id, c.customer\_name, b.bank\_name, b.branch\_name, b.ifsc\_code, c.citizenship, a.interest, a.initial\_deposit from account\_info a

join bank\_info b on(a.ifsc\_code = b.ifsc\_code)

join customer\_personal\_info c on(a.customer\_id = c.customer\_id);

1. select a.customer\_id, a.customer\_name, a.date\_of\_birth, a.guardian\_name, a.contact\_no, a.mail\_id, b.reference\_acc\_name from customer\_personal\_info a join customer\_reference\_info b on(a.customer\_id = b.customer\_id) where a.identification\_doc\_type = 'passport';
2. select b.customer\_id, a.customer\_name, b.account\_no, b.account\_type, b.initial\_deposit, b.interest from customer\_personal\_info a join account\_info b on(a.customer\_id = b.customer\_id) where b.initial\_deposit = (select max(initial\_deposit) from account\_info);
3. select b.customer\_id, a.customer\_name, b.account\_no, b.account\_type, b.interest,c.bank\_name,b.initial\_deposit from account\_info b join customer\_personal\_info a on(a.customer\_id = b.customer\_id) join bank\_info c on(b.ifsc\_code = c.ifsc\_code) where b.interest = (select max(interest) from account\_info);
4. select a.Customer\_ID, a.customer\_name, b.account\_no, c.bank\_name, a.contact\_no, a.mail\_id from customer\_personal\_info a join account\_info b on(a.customer\_id = b.customer\_id) join bank\_info c on(b.ifsc\_code = c.ifsc\_code) where a.address like '%bangalore';
5. select b.customer\_id, a.bank\_name, a.branch\_name, a.ifsc\_code, b.registration\_date, b.activation\_date from bank\_info a join account\_info b on(a.ifsc\_code = b.ifsc\_code)

where b.activation\_date like '%-03-%';

1. select a.customer\_id, a.customer\_name, b.account\_no, b.account\_type, b.interest, b.initial\_deposit, ((b.interest/100)\*b.initial\_deposit) interest\_amt from customer\_personal\_info a join account\_info b on(a.customer\_id = b.customer\_id);
2. select a.customer\_id, a.customer\_name, a.date\_of\_birth, a.guardian\_name, a.contact\_no, a.mail\_id, b.reference\_acc\_name

from customer\_personal\_info a join customer\_reference\_info b on(a.customer\_id = b.customer\_id) where reference\_acc\_name = 'raghul';

1. select Customer\_ID, Customer\_Name, concat('+91-',substr(contact\_no,1,3),'-',substr(contact\_no,4,3),'-',substr(contact\_no,7,4)) CONTACT\_ISD from customer\_personal\_info;
2. select a.ACCOUNT\_NO, a.ACCOUNT\_TYPE, a.CUSTOMER\_ID, b.CUSTOMER\_NAME, b.DATE\_OF\_BIRTH, b.GUARDIAN\_NAME, b.CONTACT\_NO, b.MAIL\_ID, b.GENDER, c.REFERENCE\_ACC\_NAME, c.REFERENCE\_ACC\_NO, a.REGISTRATION\_DATE, a.ACTIVATION\_DATE, d.BANK\_NAME, d.BRANCH\_NAME, a.INITIAL\_DEPOSIT, (a.ACTIVATION\_DATE-a.REGISTRATION\_DATE) NoOfDaysForActivation from account\_info a join customer\_personal\_info b on(a.customer\_id = b.customer\_id)

join bank\_info d on(a.ifsc\_code = d.ifsc\_code) join customer\_reference\_info c on(b.customer\_id = c.customer\_id);

1. select a.CUSTOMER\_ID, a.CUSTOMER\_NAME, a.GUARDIAN\_NAME, a.IDENTIFICATION\_DOC\_TYPE, b.REFERENCE\_ACC\_NAME, c.ACCOUNT\_TYPE, c.IFSC\_CODE, d.BANK\_NAME, round(c.initial\_deposit+((c.interest/100)\*c.initial\_deposit)) current\_balance from customer\_personal\_info a join customer\_reference\_info b on(b.customer\_id = a.customer\_id) join account\_info c on(a.customer\_id = c.customer\_id)

join bank\_info d on(c.ifsc\_code = d.ifsc\_code);

1. select a.CUSTOMER\_ID, b.CUSTOMER\_NAME, a.ACCOUNT\_NO, a.ACCOUNT\_TYPE, a.INTEREST, CASE WHEN INITIAL\_DEPOSIT = 20000 then 'high'

WHEN INITIAL\_DEPOSIT = 16000 then 'moderate' WHEN INITIAL\_DEPOSIT = 10000 THEN 'average’ when INITIAL\_DEPOSIT = 5000 then 'low' when initial\_deposit = 0 then 'very low' END as Deposit\_Status from account\_info a

join customer\_personal\_info b on(a.customer\_id = b.customer\_id);

1. select a.CUSTOMER\_ID, b.CUSTOMER\_NAME, a.ACCOUNT\_NO, a.ACCOUNT\_TYPE, c.BANK\_NAME, c.IFSC\_CODE, a.INITIAL\_DEPOSIT, if(ACCOUNT\_TYPE = 'savings', round(a.interest+(a.interest\*(a.interest/100)),2), a.interest) as NEW\_INTEREST

from account\_info a join customer\_personal\_info b on(a.customer\_id = b.customer\_id)

join bank\_info c on(a.ifsc\_code = c.ifsc\_code)

where CUSTOMER\_NAME like 'j%';

1. select a.CUSTOMER\_ID, b.customer\_name, a.account\_no, a.INITIAL\_DEPOSIT,

case

when a.INITIAL\_DEPOSIT = 0 then '0%'

when a.INITIAL\_DEPOSIT <= 10000 then '3%'

when a.INITIAL\_DEPOSIT > 10000 && a.INITIAL\_DEPOSIT <= 20000 then '5%'

when a.INITIAL\_DEPOSIT > 20000 && a.INITIAL\_DEPOSIT <= 30000 then '7%'

when a.INITIAL\_DEPOSIT > 30000 then '10%'

END as taxPercentage from account\_info a

join customer\_personal\_info b on(a.customer\_id = b.customer\_id);