## Foreign Academic & Consulting Service

**Query 1:**

--system determines which month has maximum

--number of enquiries and enrollment with the firm.

select month\_name,

nvl(temp\_total\_enquiries,0) as total\_enquiries,

total\_enrolls

from (select monthname,

count(enquiries) as temp\_total\_enquiries

from (select to\_char(dateofEnquiry, 'Month') as monthname,

dateofEnquiry as enquiries

from F16\_12\_enquiresAt)

group by monthname),

(select month\_name as month\_name,

count(appl\_id) as total\_enrolls

from (select enroll.applicantId as appl\_id,

to\_char(enroll.applicantdoj , 'Month') as month\_name

from f16\_12\_enrollsIn enroll)

group by month\_name)

where monthname(+) = month\_name;

|  |  |  |
| --- | --- | --- |
| **MONTH\_NAME** | **TOTAL\_ENQUIRIES** | **TOTAL\_ENROLLS** |
| September | 10 | 5 |
| July | 1 | 5 |
| June | 1 | 6 |
| April | 2 | 6 |
| November | 5 | 5 |
| May | 1 | 6 |
| October | 10 | 5 |
| August | 2 | 5 |
| March | 3 | 7 |
| January | 0 | 8 |
| February | 0 | 7 |
| December | 0 | 3 |

12 rows selected.

**Query 2:**

--system compares which locations or areas the

--enquiries and enrollment received is maximum

select nvl(enquirer\_state,applicant\_state) as cust\_state,

enquirer\_count,

applicant\_count

from (select cust.state as enquirer\_state,

count(enq.enquirerID) as enquirer\_count

from F16\_12\_customer cust,

F16\_12\_enquirer enq

where cust.customerID = enq.enquirerID

group by state) full outer join

(select cust.state as applicant\_state,

count(app.applicantID) as applicant\_count

from F16\_12\_customer cust,

F16\_12\_applicant app

where cust.customerID = app.applicantID

group by state)

on enquirer\_state = applicant\_state;

|  |  |  |
| --- | --- | --- |
| **CUST\_STATE** | **ENQUIRER\_COUNT** | **APPLICANT\_COUNT** |
| WV | 1 | 1 |
| AK | 2 | 2 |
| MN | 1 | - |
| CA | 2 | 3 |
| AL | 2 | 1 |
| ND | 1 | - |
| MA | 1 | - |
| VA | 1 | 1 |
| NE | 2 | - |
| NH | 1 | 1 |
| MI | 1 | - |
| GA | 1 | 1 |
| SC | 2 | 1 |
| RI | 2 | - |
| DC | 2 | - |
| MT | 1 | 1 |
| MS | 1 | - |
| LA | 1 | 1 |
| IN | 2 | - |
| HI | 1 | 1 |
| NV | 1 | 1 |
| TX | 2 | - |
| OR | 2 | - |
| PA | 1 | 1 |
| AZ | 1 | - |
| WA | - | 1 |
| KS | - | 1 |
| MD | - | 1 |
| ID | - | 1 |
| OH | - | 2 |
| VT | - | 1 |

31 rows selected.

**Query 3:**

--Based on customer enquiries and applicants system determines

--which country is more popular or has a high preference for further details

select enq\_country,

total\_enquirer,

nvl(total\_app,0) as total\_applicant

from (select enq.countryPref as enq\_country,

count(enq.enquirerID) as total\_enquirer

from F16\_12\_enquirer enq

group by enq.countryPref

order by total\_enquirer) full outer join

(select app.countryPref as app\_country,

count(app.applicantID) as total\_app

from F16\_12\_applicant app

group by app.countryPref

order by total\_app)

on enq\_country = app\_country

order by total\_applicant desc;

|  |  |  |
| --- | --- | --- |
| **ENQ\_COUNTRY** | **TOTAL\_ENQUIRER** | **TOTAL\_APPLICANT** |
| Germany | 4 | 7 |
| Canada | 4 | 4 |
| Singapore | 3 | 4 |
| USA | 5 | 3 |
| United Kingdom | 4 | 2 |
| Italy | 4 | 2 |
| Bangladesh | 1 | 1 |
| Lesotho | 1 | 0 |
| Oman | 1 | 0 |
| Burundi | 1 | 0 |
| Ireland | 1 | 0 |
| Tokelau | 1 | 0 |
| Argentina | 1 | 0 |
| Sao Tome and Principe | 1 | 0 |
| Tunisia | 1 | 0 |
| Serbia and Montenegro | 1 | 0 |
| Czech Republic | 1 | 0 |

17 rows selected.

**Query 4:**

--Generating income reports of assistance services as to determine

--which services are generating more revenue

select \* from (select \*

from (select service.serviceType,

sum(service.serviceFee) as total\_fee

from f16\_12\_service service

group by service.serviceType)

order by total\_fee desc);

|  |  |
| --- | --- |
| **SERVICETYPE** | **TOTAL\_FEE** |
| Tutoring | 360000 |
| Visa Assist | 260000 |
| University Applications | 126000 |

3 rows selected.

**Query 5:**

--Displaying profit of the firm with respect to branches

select branch\_id, income - expense as profit

from (select branch\_id,

sum(service\_fee) as income

from (select br.branchID as branch\_id,

br.serviceID branch\_service\_id

from F16\_12\_enrollsIn br

order by serviceID

), (select serv.serviceID as service\_id,

serv.serviceFee as service\_fee

from F16\_12\_service serv

)

where branch\_id = service\_id

group by branch\_id),

(select sum(monthly\_salary) as expense

from F16\_12\_employee

group by branch)

group by branch\_id;

|  |  |
| --- | --- |
| **BRANCH\_ID** | **PROFIT** |
| 1 | 176500 |
| 2 | 176500 |

2 rows selected.

**Query 6:**

--System generates performance outline of tutors by applicant rating

select DISTINCT emp\_no, emp\_name, rating

from (select emp\_no, emp\_name, rating

from (select em.employeeid as emp\_no,em.firstname as emp\_name

from F16\_12\_employee em),

(select r.employeeid emp\_no\_rating, avg(r.rating) as rating

from F16\_12\_rates r

group by r.employeeid)

where emp\_no = emp\_no\_rating),

(select enroll.employeeID emp, serv.servicetype

from F16\_12\_enrollsin enroll, F16\_12\_service serv

where serv.servicetype='Tutoring' and serv.serviceID = enroll.serviceID)

where emp\_no = emp;

|  |  |  |
| --- | --- | --- |
| **EMP\_NO** | **EMP\_NAME** | **RATING** |
| 20150019 | Bree | 4 |
| 20150016 | Howard | 4 |
| 20150018 | Danielle | 5 |
| 20150017 | Iris | 4.5 |
| 20150022 | Chaney | 4 |
| 20150021 | Kato | 3 |
| 20150023 | Roary | 4 |
| 20150020 | Petra | 5 |
| 20150024 | Malachi | 5 |

9 rows selected.

**Query 7:**

--Performance report of counselors based on ratings of the applicant

select emp\_no, emp\_name, rating

from (select emp\_no, emp\_name, rating

from (select em.employeeid as emp\_no,em.firstname as emp\_name

from F16\_12\_employee em),

(select r.employeeid emp\_no\_rating, avg(r.rating) as rating

from F16\_12\_rates r

group by r.employeeid)

where emp\_no = emp\_no\_rating),

(select emp.employeeID empl, emp.designation

from F16\_12\_employee emp

where emp.designation='Counselor')

where emp\_no = empl;

|  |  |  |
| --- | --- | --- |
| **EMP\_NO** | **EMP\_NAME** | **RATING** |
| 20150012 | Lysandra | 4 |
| 20150011 | Yuli | 4 |
| 20150013 | Lacy | 4 |
| 20150008 | Conan | 4.33333333333333333333333333333333333333 |
| 20150009 | Hanna | 3.33333333333333333333333333333333333333 |
| 20150010 | Candice | 4 |

6 rows selected.

**Query 8:**

--Generating reports of tutor class popularity that is which course class has more popularity

select em.firstname || ' ' || em.lastname as Tutor\_Name, tu.classtype, count(en.applicantid) as Total

from f16\_12\_enrollsin en, f16\_12\_tutorclass tu, f16\_12\_employee em

where en.serviceid=tu.serviceid

group by em.firstname,em.lastname, tu.classtype;

|  |  |  |
| --- | --- | --- |
| **TUTOR\_NAME** | **CLASSTYPE** | **TOTAL** |
| Dean Donovan | GRE | 10 |
| Ahmed Livingston | IELTS | 8 |
| Hanna Hyde | GRE | 10 |
| Ginger Williamson | IELTS | 8 |
| Kelly Sampson | TOEFL | 6 |
| Howard Vaughan | TOEFL | 6 |
| Bree Trujillo | GRE | 10 |
| Kato Browning | GRE | 10 |
| Roary Lowe | TOEFL | 6 |
| Roary Lowe | GRE | 10 |
| Dean Donovan | TOEFL | 6 |
| Geraldine Travis | IELTS | 8 |
| Ahmed Livingston | GRE | 10 |
| Martina Jones | IELTS | 8 |
| Lysandra Scott | GRE | 10 |
| Chaney Cleveland | GRE | 10 |
| Geraldine Travis | GRE | 10 |
| Brent Cummings | TOEFL | 6 |
| Martina Jones | TOEFL | 6 |
| Felix Newman | GRE | 10 |
| Conan Gay | IELTS | 8 |
| Hanna Hyde | IELTS | 8 |
| Yuli Hartman | TOEFL | 6 |
| Ginger Williamson | GRE | 10 |
| Howard Vaughan | IELTS | 8 |
| Petra Mack | GRE | 10 |
| Chaney Cleveland | IELTS | 8 |
| Ahmed Livingston | TOEFL | 6 |
| Hanna Hyde | TOEFL | 6 |
| Yuli Hartman | IELTS | 8 |
| Lacy Holloway | GRE | 10 |
| Lacy Holloway | IELTS | 8 |
| Kelly Sampson | IELTS | 8 |
| Iris Saunders | TOEFL | 6 |
| Danielle Welch | TOEFL | 6 |
| Danielle Welch | IELTS | 8 |
| Kato Browning | TOEFL | 6 |
| Chaney Cleveland | TOEFL | 6 |
| Felix Newman | TOEFL | 6 |
| Bree Trujillo | TOEFL | 6 |
| Malachi Parker | TOEFL | 6 |
| Fredericka Buchanan | TOEFL | 6 |
| Brent Cummings | GRE | 10 |
| Conan Gay | TOEFL | 6 |
| Yuli Hartman | GRE | 10 |
| Lysandra Scott | TOEFL | 6 |
| Kelly Sampson | GRE | 10 |
| Iris Saunders | GRE | 10 |
| Bree Trujillo | IELTS | 8 |
| Roary Lowe | IELTS | 8 |
| Malachi Parker | GRE | 10 |
| Dean Donovan | IELTS | 8 |
| Brent Cummings | IELTS | 8 |
| Conan Gay | GRE | 10 |
| Candice Mcclure | TOEFL | 6 |
| Lacy Holloway | TOEFL | 6 |
| Ginger Williamson | TOEFL | 6 |
| Howard Vaughan | GRE | 10 |
| Kato Browning | IELTS | 8 |
| Fredericka Buchanan | GRE | 10 |
| Fredericka Buchanan | IELTS | 8 |
| Geraldine Travis | TOEFL | 6 |
| Martina Jones | GRE | 10 |
| Felix Newman | IELTS | 8 |
| Candice Mcclure | GRE | 10 |
| Candice Mcclure | IELTS | 8 |
| Lysandra Scott | IELTS | 8 |
| Iris Saunders | IELTS | 8 |
| Danielle Welch | GRE | 10 |
| Petra Mack | TOEFL | 6 |
| Petra Mack | IELTS | 8 |
| Malachi Parker | IELTS | 8 |

72 rows selected.

**Query 9:**

--Displaying the VISA success or acceptance ratio

select 'ACCEPT:TOTAL' as description,

success\_count || ':' || total\_record as acceptance\_rate

from (select count(en.applicantid) as success\_count

from f16\_12\_enrollsin en, f16\_12\_visarecord v

where en.serviceid=v.serviceid

and v.visastatus = 'accept'

group by v.visastatus),

(select count(\*) as total\_record

from f16\_12\_visarecord);

../Desktop/Screen%20Shot%202016-11-17%20at%2011.19.16%20PM.png