QUERIES:

1)

select name || ' ( ' || phone\_# || ', ' || address || ' )' || ' has been hired since ' || hire\_date || ' on the position of ' || job\_descp || '. ' || 'Employee is currently stationed on project under the id of ' || proj\_id || ' .'

as "WORKER\_INFO"

from construction;

2)

select job\_descp, count(job\_id) as "NUM\_OF\_EMPLOYEES"

from construction

group by job\_descp

order by count(job\_id);

3)

select to\_char( hire\_date, 'YYYY') as "YEAR", count(name) as "NUM\_OF\_EMP\_HIRED"

from construction

group by to\_char( hire\_date, 'YYYY')

order by to\_char( hire\_date, 'YYYY');

4)

select name, job\_descp, proj\_id

from construction

where job\_id='CM' and to\_char(hire\_date, 'YYYY')>2005;

5)

select name, proj\_id, absences, phone\_#

from construction

where

not upper(absences) in ('RARELY', 'NEVER', 'ALMOST NEVER') and hourly\_pay>10

order by

decode( upper(absences)

, 'ALWAYS', 4

, 'ALMOST ALWAYS', 3

, 'FREQUENTLY', 2

, 'SOMETIMES', 1

) desc;

6)

select proj\_id , sum( man\_hours \* hourly\_pay) as "WORKERS\_TOTAL\_PAY"

from construction

where region in('R01','R05','R06')

group by proj\_id

order by sum( man\_hours \* hourly\_pay) desc;

7)

select proj\_id , count(name) as "NUM\_OF\_WORKERS", round( avg( man\_hours \* hourly\_pay), 2) as "WORKERS\_AVG\_PAY"

from construction

group by proj\_id

order by proj\_id;

8)

select decode( region

,'R01','North East'

,'R02','North West'

,'R03','Center East'

,'R04','Center West'

,'R05','South East'

,'R06','South West') as "REGION\_LOCATION",

count(proj\_id) as "#\_PROJECT\_IN\_REGION"

from construction

group by decode( region

,'R01','North East'

,'R02','North West'

,'R03','Center East'

,'R04','Center West'

,'R05','South East'

,'R06','South West')

order by count(proj\_id);

9)

select proj\_id, count(name) as "#\_OF\_WORKERS", sum(man\_hours\*hourly\_pay) as "WORKER\_COST"

from construction

group by proj\_id

having sum(man\_hours\*hourly\_pay) > 16000

order by proj\_id;

10)

select emp\_id, name, round( (months\_between(sysdate, hire\_date)), 2) as "MONTHS\_FROM\_HIRING", round( (months\_between(sysdate, date\_started)), 2) as "MONTHS\_FROM\_PROJECT"

from construction

order by decode( substr(name, 1, instr(name, '.'))

,'Ms.', 2

,'Mr.', 1) desc;