

# Pop Ruxandra Maria grp6

## 4-3: Date Functions

- Vocabulary

- 1.sysdate
- 2.add\_month
- 3.last\_day
- 4.next\_day
- 5.months\_between

- Try It / Solve It

- 1.select name, event\_date ,round(months\_between(sysdate,event\_date)) "Numarul de luni"  
from d\_events  
where name='Vigil wedding'

- 2.SELECT TO\_DATE('01-Oct-2020', 'dd-Mon-yyyy') - TO\_DATE('01-Jul-2020', 'dd-Mon-yyyy') as "Actual Days", ROUND( MONTHS\_BETWEEN(TO\_DATE('01-Oct-2020', 'dd-Mon-yyyy'),TO\_DATE('01-Jul-2020', 'dd-Mon-yyyy'))\*30.5, 0) as "Days"  
FROM dual

- 3.select to\_date('31-dec-2020','dd-mon-yyyy') -to\_date('01-jan-2020','dd-mon-yyyy') as "Days"  
from dual

- 4.select round(sysdate,'Month') as "month" ,round(sysdate,'year') as "year",  
trunc(sysdate,'month') as "month\_t" ,trunc(sysdate,'year') as "year\_t"  
from dual

- 5.select last\_day('01-Jun-2005') as "Last day"  
from dual

- 6.select last\_name ,round(months\_between(sysdate,birthdate)/12) as "Years"  
from f\_staffs  
where first\_name='Bob'

7.select add\_months(sysdate,6) as "Appointment"  
from dual

8.select last\_day(sysdate) as "Deadline"  
from dual

9. select round(months\_between('01-jan-2021','10-feb-2020'))  
from dual

10.select next\_day('10-feb-2020','Friday') as "First Friday"  
from dual

11.months\_between

12. add\_months,next\_day,last\_day,round,trunc

13. Pentru a organiza plata salariilor

## Extension Exercises

1.select round(86.678,2)  
from dual

2.select upper(title) as "DJs on Demand Collections"  
from d\_cds  
where cd\_number in(90,91)

3.select lower(last\_name) || initcap(substr(first\_name,1,1)) "User Passwords"  
from d\_partners

4.select concat('HELLO',concat(' ',upper(substr('It's a small world',14,18))))  
from dual

5.select concat(substr('fiddledee-dum',0,8),substr('fiddledeedee',6,9)) "Nonsense"  
from dual

6.select replace('Mississippi','i','\$') "after"  
from dual

7.select round(5332.342,-1)  
from dual

8.select trunc(3.14159,2)  
from dual

9.select trunc(73.892,1)  
from dual

10.select next\_day(add\_months(sysdate,6),'Friday') "Future"  
from dual

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11.select add_months(sysdate,10*12)
"Future"
from dual
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12.select to_char(last_day(to_date('01-Feb-2008','dd-Mon-yyyy')), 'dd-Mon-
yyyy(Day)') "future"
From dual
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14. select description
from d_themes
where description like '%ie%'
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14.select title,year
from d_cds
where year between ('01-jan-2000') and ('01-jan-2003')
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15.select employee_id,hire_date
from employees
where hire_date between ('01-jan-1997') and sysdate
order by hire_date desc
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9.select upper(first\_name) || ' '|| upper (last\_name) ||' ' || upper (address) ||' '|| upper(city) || ' '|| upper(state) ||' '|| upper(zip) as address  
from f\_customers  
where first\_name ='Zoe'

10.select concat(substr(first\_name,1,1),last\_name) as "Name",salary,department\_id  
from employees  
where department\_id=20

select concat(substr(first\_name,1,1),last\_name) as "Name",salary,department\_id  
from employees  
where department\_id=:enter\_dept\_id

11.select department\_id as "department id" ,department\_name as "departemnt  
name" ,location\_id as "location id"  
from departments  
where lower(department\_name)=lower(:the\_department\_of\_your\_choice)

12.select first\_name,last\_name,hire\_date,to\_char(hire\_date,'MON') AS LUNA  
FROM EMPLOYEES  
where to\_char(hire\_date,'MON')=upper(:careluna)