Zestaw 1.

1.select user from dual

2.select \* from user\_tables

6.select JOB from emp where ename='ALLEN'

7.select ename from emp where sal>=1250

8.

select emp.ename, dept.dname

from emp, dept

where emp.deptno=dept.deptno and emp.deptno=20

9.

select ename

from emp

where nvl(comm,0)>0

10.

select e.ename, z.ename from emp e, emp z

where e.mgr=z.empno and e.mgr=7698

11.a

select ename

from emp

where ename like 'S%'

11.b

select ename, sal, job

from emp

where substr(ename,1,1)='S’

12.a

select ename sal

from emp

order by ename

b)

select ename sal

from emp

order by ename desc

c)

select ename, sal

from emp

order by sal

d)

select ename, sal

from emp

order by sal desc

e)

select ename, sal

from emp

order by sal, ename

13.

select count(1) from emp

14.

a)

select min(sal) from emp

b)

select max(sal) from emp

c)

select avg(sal) from emp

15.

a)

select min(sal) from emp where deptno=10

select min(sal) from emp having deptno=10group by deptno

b)

select max(sal) from emp,dept where emp.deptno=dept.deptno and lower(dept.dname)='sales'

c)

select dept.dname,avg(emp.sal)

from emp,dept

where emp.deptno=dept.deptno

group by dept.dname

d)

select dept.dname,min(emp.sal)

from emp,dept

where emp.deptno=dept.deptno

group by dept.dname

having dept.deptno=10

e)

select dept.dname,dept.deptno,min(emp.sal)

from emp,dept

where emp.deptno=dept.deptno

group by dept.dname

having dept.deptno=10

f)

select dept.dname,dept.deptno,avg(emp.sal)

from emp,dept

where emp.deptno=dept.deptno

group by dept.dname

having count(dept.dname) >=5

g)

select dept.dname,dept.deptno

from emp,dept

where emp.deptno=dept.deptno

group by dept.dname

having avg(sal)>2100

16.

select empno, ename, sal

from emp

where sal = (select min(sal) from emp)

select empno, ename, sal

from emp

where sal = (select max(sal) from emp)

17.

select deptno, avg(sal)

from emp

having avg(sal) < (select avg(sal) from emp where deptno=20)

group by deptno

18.

select ename

from emp

where deptno=20 or deptno=30

select ename

from emp

where deptno in (20,30)

19.

select ename, sal, job, deptno from emp X

where sal = (select max(sal) from emp where deptno=X.deptno)

20.

select sal

from emp

group by sal

21.

select ename, sal, deptno

from emp

where sal > (select min(sal) from emp where deptno=20)

order by sal desc

select ename, sal, deptno

from emp

where sal > any (select distinct sal from emp where deptno=20)

order by sal desc

22.

select ename, sal, deptno

from emp

where sal > all(select sal from emp where deptno=20)

23.

select ename, sal, deptno

from emp

where sal <(select avg(sal) from emp)

24.

select dept.dname

from dept

left outer join emp

on

dept.deptno=emp.deptno

group by dept.dname

having count(emp.empno)=0

select dept.dname

from dept

where not exists(select emp.empno from emp where dept.deptno=emp.deptno)

25.

select level, empno, ename, job, mgr, deptno

from emp

connect by PRIOR empno=mgr

start with mgr is null

order by deptno

26.

select ename, job, sal, deptno

from emp

where sal=1250 or deptno=20

order by deptno

select ename, job, sal, deptno

from emp

where sal=1250

union

select ename, job,sal,deptno

from emp

where deptno=20

order by deptno

27.

select ename

from emp

union

select dname

from dept

28.

select ename, job, sal, comm

from emp

where lower(job)='salesman' and (comm is null or comm=0)

29.

select ename, job, sal, comm

from emp

where lower(job)='clerk' and deptno!=20

30.

select ename, nvl(comm,0)

from emp

31.

select ename, decode(deptno,'20','\*\*',(decode(deptno,10,'\*','?')))

from emp

32.

select ename, decode(sign(sal-1500), -1,'BELOW 1500', 0, 'ON TARGET', 1, sal)

from emp

33.

select ename, trunc(sal\*1.15)

from emp

34.

select sysdate from dual

35.

select to\_char(sysdate,'dd-mm-yyyy hh24:mi:ss')

from dual

36.

select to\_char(sysdate,'dd-mm-yyyy hh24:mi:ss')

from dual

37.

select to\_char(sysdate+10+6/24,'dd-mm-yyyy hh24:mi:ss')

from dual

38.

select empno, ename, to\_char(hiredate,'dd-mm-yyyy')

from emp

where hiredate between to\_date('0111999','ddmmyyyy') and to\_date('01012010','ddmmyyyy')

39.

40.

select ename

from emp

where ename not like 'S%'

UNION

select substr(ename,2)

from emp

where ename like '%S'

41.

a)

select decode(instr(ename,'S',1,1),1,substr(ename,2),ename)

from emp

b)

select decode(instr(ename,'S',-1,1),length(ename),substr(ename,1,length(ename)-1),ename)

from emp

ltrim rtrim- usuwa z prawej bądź lewej daną literę

select rpad(ename,40,'\_')

from emp

Zestaw II

zad. 1

select s.imie, s.nazwisko, k.nazwa

from studenci s,kierunki k

where k.id\_kier = s.id\_kier

order by k.nazwa, s.nazwisko desc

zad. 2

select nazwisko,data\_ur

from studenci

where data\_ur<= to\_date('03-09-1984', 'dd-mm-yyyy')

zad. 3

a)

select M.imie,K.imie

from studenci M, studenci K

where (M.data\_ur - K.data\_ur) < 300

group by K.imie,M.imie

b)

select M.imie,K.imie

from studenci M, studenci K

where (M.data\_ur - K.data\_ur) < 300 and (m.plec!=k.plec) and m.plec = 'K'

group by K.imie,M.imie

zad. 4

select imie

from studenci

group by imie

zad. 5

select decode(sign(stypendium-200),-1,stypendium\*0.18,0,stypendium\*0.18,1,200\*0.18+(stypendium-200)\*0.20) podatek

from studenci

order by podatek desc

zad.6

select k.nazwa, max(s.stypendium)

from kierunki k, studenci s

group by k.nazwa

zad.7

select decode(

(select count(\*)

from

(select stu.nazwisko

from studenci stu, oceny o

where o.id\_stu=stu.id\_stu

having avg(o.ocena)=(select max(x.av)

from

(select avg(o.ocena) av

from studenci stu, oceny o

where o.id\_stu=stu.id\_stu

group by stu.imie, stu.nazwisko) x)

group by stu.nazwisko

intersect

select nazwisko

from studenci stu

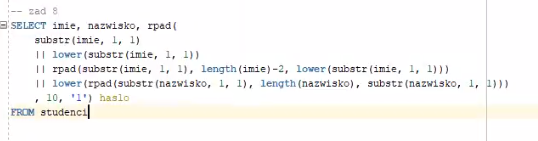
where stypendium = (select max(stypendium)

from studenci)))

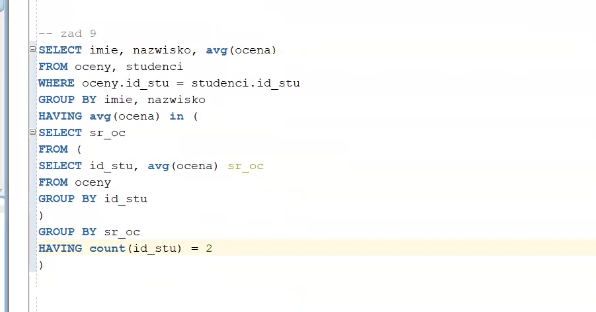
,0,'NIE','TAK')

from dual

zad.8



zad.9



select imie, nazwisko, avg(ocena)

from oceny, studenci

where oceny.id\_stu=studenci.id\_stu

group by imie,nazwisko

having avg(ocena) in (

select sr\_oc

from (

Select id\_stu, avg(ocena) sr\_oc

FROM oceny

GROUP BY id\_stu

)

group by sr\_oc

having count(id\_stu)=2

)

zad.10

zad.11

select s.nazwisko, p.nazwa, o.ocena

from studenci s, przedmioty p, oceny o

where s.id\_stu = o.id\_stu and p.id\_prz=o.id\_prz

and (p.nazwa,o.ocena) in (

select p.nazwa, max(o.ocena) ocena

from studenci s, oceny o, przedmioty p

where s.id\_stu=o.id\_stu and o.id\_prz=p.id\_prz

group by p.nazwa)

Zestaw.3

zad.1

select s.imie, avg(o.ocena)  x

from studenci s, oceny o

where s.id\_stu=o.id\_stu

group by s.imie

order by x desc

zad.2

select nazwa, ocena, termin

from studenci s1, przedmioty p1, oceny o1

where lower(imie) = 'jan' and lower(nazwisko) = 'kowalski'

and s1.id\_stu = o1.id\_stu

and p1.id\_prz = o1.id\_prz

and termin = (SELECT max(termin) from oceny o2 where o1.id\_prz = o2.id\_prz and o2.id\_stu = o1.id\_stu)

zad.3

select s.imie, s.nazwisko, round(avg(o.ocena),2)

from studenci s, oceny o

where s.id\_stu = o.id\_stu and s.plec='K'

group by s.imie, s.nazwisko

having

(select round(avg(o.ocena),2) as x

from studenci s, oceny o

where s.id\_stu=o.id\_stu and s.plec='M') < round(avg(o.ocena),2)

zad.4

zad.5

select nazwa, count(distinct(id\_stu))

from przedmioty, oceny

where przedmioty.id\_prz = oceny.id\_prz

group by nazwa

BAZY NOWE W SESNIE 15.12.2020

