

create or replace PROCEDURE InsertEmployee

```
( p_FIRST_NAME    EMPLOYEE1.FIRST_NAME%type    DEFAULT null
, p_LAST_NAME     EMPLOYEE1.LAST_NAME%type     DEFAULT null
, p_EMAIL         EMPLOYEE1.EMAIL%type        DEFAULT null
, p_PHONE_NUMBER  EMPLOYEE1.PHONE_NUMBER%type DEFAULT null
, p_HIRE_DATE     EMPLOYEE1.HIRE_DATE%type     DEFAULT null
, p_JOB_ID        EMPLOYEE1.JOB_ID%type        DEFAULT null
, p_SALARY        EMPLOYEE1.SALARY%type        DEFAULT null
, p_COMMISSION_PCT EMPLOYEE1.COMMISSION_PCT%type DEFAULT null
, p_MANAGER_ID    EMPLOYEE1.MANAGER_ID%type    DEFAULT null
, p_DEPARTMENT_ID EMPLOYEE1.DEPARTMENT_ID%type DEFAULT null)
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IS

--employee\_id zostanie sam wygenerowany jako najwyższy dostępny numer

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v_EMPLOYEE_ID    EMPLOYEE1.EMPLOYEE_ID%type    ;
v_FIRST_NAME     EMPLOYEE1.FIRST_NAME%type     :=p_FIRST_NAME;
v_LAST_NAME      EMPLOYEE1.LAST_NAME%type      :=p_LAST_NAME;
v_EMAIL          EMPLOYEE1.EMAIL%type          :=p_EMAIL;
v_PHONE_NUMBER   EMPLOYEE1.PHONE_NUMBER%type   :=p_PHONE_NUMBER;
v_HIRE_DATE      EMPLOYEE1.HIRE_DATE%type      :=p_HIRE_DATE;
v_JOB_ID         EMPLOYEE1.JOB_ID%type         :=p_JOB_ID;
v_SALARY         EMPLOYEE1.SALARY%type         :=p_SALARY;
v_COMMISSION_PCT EMPLOYEE1.COMMISSION_PCT%type :=p_COMMISSION_PCT;
v_MANAGER_ID     EMPLOYEE1.MANAGER_ID%type     :=p_MANAGER_ID;
v_DEPARTMENT_ID  EMPLOYEE1.DEPARTMENT_ID%type  :=p_DEPARTMENT_ID;
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--dodatkowe zmienne pomocne przy sprawdzeniu poprawnosci danych --

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v_licznik number;
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v_pensja number;
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BEGIN

--znalezienie numeru id dla nowego pracownika---

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select MAX(EMPLOYEE_ID)+1 INTO v_EMPLOYEE_ID from EMPLOYEE1;
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--zalozenie moje ze jak jakas dana jest nie wasciwa z wytycznymi to zostanie ustawiona wartosc –  
domyslana te wartosci sa uzytkownika 201 wiec jak jakas wartosc jest nei odpowiednia to bedzie i  
--dentyczna co dla rekordu pracownika 201

--sprawdzanie czy wszystkie parametru sa nie null

IF p\_FIRST\_NAME is null THEN

dbms\_output.put\_line('WARTOSC JEST PUSTA zostanie ustawiona watosc domyslana');

v\_FIRST\_NAME := 'DOMYSLNY\_imie';

end if;

IF p\_LAST\_NAME is null THEN

dbms\_output.put\_line('WARTOSC JEST PUSTA zostanie ustawiona watosc domyslana');

v\_LAST\_NAME := 'DOMYSLNY\_nazwisko';

end IF;

IF p\_EMAIL is null THEN

dbms\_output.put\_line('WARTOSC JEST PUSTA zostanie ustawiona watosc domyslana');

select EMAIL into v\_EMAIL from EMPLOYEE1 where EMPLOYEE\_ID=201;

end IF;

IF p\_PHONE\_NUMBER is null THEN

dbms\_output.put\_line('WARTOSC JEST PUSTA zostanie ustawiona watosc domyslana');

select PHONE\_NUMBER into v\_PHONE\_NUMBER from EMPLOYEE1 where  
EMPLOYEE\_ID=201;

end IF;

IF v\_HIRE\_DATE is null THEN

dbms\_output.put\_line('WARTOSC JEST PUSTA zostanie ustawiona watosc domyslana');

select HIRE\_DATE into v\_HIRE\_DATE from EMPLOYEE1 where EMPLOYEE\_ID=201;

end IF;

IF v\_JOB\_ID is null THEN

dbms\_output.put\_line('WARTOSC JEST PUSTA zostanie ustawiona watosc domyslana');

select JOB\_ID into v\_JOB\_ID from EMPLOYEE1 where EMPLOYEE\_ID=201;

end IF;

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IF v_SALARY is null THEN

    dbms_output.put_line('WARTOSC JEST PUSTA zostanie ustawiona watosc domyslna');

    select SALARY      into v_SALARY      from EMPLOYEE1 where EMPLOYEE_ID=201;

end IF;

IF v_COMMISSION_PCT is null THEN

    dbms_output.put_line('WARTOSC JEST PUSTA zostanie ustawiona watosc domyslna');

    select COMMISSION_PCT into v_COMMISSION_PCT      from EMPLOYEE1 where
EMPLOYEE_ID=201;

end IF;

IF v_MANAGER_ID is null THEN

    dbms_output.put_line('WARTOSC JEST PUSTA zostanie ustawiona watosc domyslna');

    select MANAGER_ID   into v_MANAGER_ID           from EMPLOYEE1 where EMPLOYEE_ID=201;

end IF;

IF v_DEPARTMENT_ID is null THEN

    dbms_output.put_line('WARTOSC JEST PUSTA zostanie ustawiona watosc domyslna');

    select DEPARTMENT_ID into v_DEPARTMENT_ID      from EMPLOYEE1 where
EMPLOYEE_ID=201;

end IF;

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--wartosci niewlasciwe


--zly manger-----

select COUNT(*) INTO v_licznik from EMPLOYEE1 where EMPLOYEE_ID=v_MANAGER_ID;

if v_licznik = 0 then

    dbms_output.put_line('BRAK TAKIEGO MENAGERA zostanie ustawiona watosc domyslna');

    select MANAGER_ID into v_MANAGER_ID           from EMPLOYEE1 where EMPLOYEE_ID=201;

end IF;

--zly departament-----

select COUNT(*) INTO v_licznik from DEPARTMENTS1 where DEPARTMENT_ID =
v_DEPARTMENT_ID;

if v_licznik = 0 then

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dbms_output.put_line('BRAK TAKIEGO DEPARTAMENTU zostanie ustawiona wartosc domyslna');

select DEPARTMENT_ID into v_DEPARTMENT_ID      from EMPLOYEE1 where
EMPLOYEE_ID=201;

end IF;

--zly kod stanowiska -----

select COUNT(*) INTO v_licznik from JOBS1 where JOB_ID = v_JOB_ID;

if v_licznik = 0 then

dbms_output.put_line('BRAK TAKIEGO KODU STANOWISKA zostanie ustawiona wartosc
domyslna');

select JOB_ID into v_JOB_ID      from EMPLOYEE1 where EMPLOYEE_ID=201;

end IF;

--pensja z spoza zakresu-----

SELECT MIN_SALARY into v_pensja FROM JOBS1 WHERE JOB_ID = v_JOB_ID;

if v_SALARY < v_pensja then

dbms_output.put_line('PENSJA ZA MALA zostanie ustawiona wartosc domyslna');

select (MIN_SALARY+MAX_SALARY)/2 into v_SALARY      from JOBS1 where JOB_ID =
v_JOB_ID;

end IF;

SELECT MAX_SALARY into v_pensja FROM JOBS1 WHERE JOB_ID = v_JOB_ID;

if v_SALARY > v_pensja then

dbms_output.put_line('PENSJA ZA DUZA zostanie ustawiona wartosc domyslna');

select (MIN_SALARY+MAX_SALARY)/2 into v_SALARY      from JOBS1 where JOB_ID =
v_JOB_ID;

end IF;

--zla data-----

if v_HIRE_DATE > current_date then

dbms_output.put_line('DATA zla zostanie ustawiona wartosc domyslna');

select HIRE_DATE into v_HIRE_DATE      from EMPLOYEE1 where EMPLOYEE_ID=201;

end IF;

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--wstawienie rekordu-----

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INSERT INTO EMPLOYEE1(EMPLOYEE_ID, FIRST_NAME, LAST_NAME, EMAIL  
  , PHONE_NUMBER, HIRE_DATE, JOB_ID, SALARY, COMMISSION_PCT  
  , MANAGER_ID,DEPARTMENT_ID)  
VALUES(v_EMPLOYEE_ID, v_FIRST_NAME, v_LAST_NAME, v_EMAIL  
  , v_PHONE_NUMBER, v_HIRE_DATE, v_JOB_ID, v_SALARY  
  , v_COMMISSION_PCT, v_MANAGER_ID, v_DEPARTMENT_ID );
```

```
END InsertEmployee;
```