PROCEDURA:

```
create or replace PROCEDURE INSERTEMPLOYEE
(
  FIRSTNAME IN VARCHAR2
, LASTNAME IN VARCHAR2
, EMAIL IN VARCHAR2
, PHONENUMBER IN VARCHAR2
, HIREDATE IN DATE
, JOBID IN VARCHAR2
, SALARY IN NUMBER
, COMMISSIONPCT IN number
, MANAGERID IN NUMBER
, DEPARTMENTID IN NUMBER
) AS
DepartmentExists number;
ManagerExists number;
MaxSalary number;
MinSalary number;
JobExists number;


BEGIN


  IF lastname IS null then raise_application_error(-20001,'lastName cannot be NULL');
  END IF;
  IF email IS null then raise_application_error(-20001,'email cannot be NULL');
  END IF;
  IF HireDate IS null then raise_application_error(-20001,'Hire_Date cannot be NULL');
  END IF;
  IF JobId IS null then raise_application_error(-20001,'job_Id cannot be NULL');
  END IF;
```

```
    Select count(*) into DepartmentExists from DEPARTMENTS e where
e.department_id=departmentid;
    IF DepartmentExists = 0 then raise_application_error(-20001,'Department does not exists');
    END IF;


    Select count(*) into ManagerExists from Employees e where  e.employee_id=managerid;
    IF ManagerExists=0 then raise_application_error(-20001,'Manager does not exists');
    END IF;


    Select count(*) into JobExists from jobs e where  e.job_id=jobid;
    IF JobExists =0 then raise_application_error(-20001,'job does not exists');
    END IF;


  Select max_salary into MaxSalary from jobs e where  e.job_id=jobid;
    IF salary > MaxSalary then raise_application_error(-20001,'Salary is too high');
    END IF;


    Select min_salary into MinSalary from jobs e where  e.job_id=jobid;
    IF salary < MinSalary then raise_application_error(-20001,'Salary is too low');
    END IF;


    IF hiredate > Current_date then raise_application_error(-20001,'hire date invalid');
    END IF;


    Insert into Employees
values(SEQ_EMPLOYEE_ID.NEXTVAL,FIRSTNAME,LASTNAME,EMAIL,PHONENUMBER ,HIREDATE
,JOBID ,SALARY ,COMMISSIONPCT, MANAGERID ,DEPARTMENTID);


END INSERTEMPLOYEE;
```

TESTY:

EXECUTE INSERTEMPLOYEE('TEST','TEST','test@test.pl','999-999-999', DATE '2018-02-02','ST_MAN',8000,null,124,50);

EXECUTE INSERTEMPLOYEE('TEST',null,'test@test.pl','999-999-999', DATE '2018-02-02','ST_MAN',8000,null,124,50);

EXECUTE INSERTEMPLOYEE('TEST','TEST','test@test.pl','999-999-999', null,'ST_MAN',8000,null,124,50);

EXECUTE INSERTEMPLOYEE('TEST','TEST','test@test.pl','999-999-999', DATE '2018-02-02','ST_MANaxax',8000,null,124,50);

EXECUTE INSERTEMPLOYEE('TEST','TEST','test@test.pl','999-999-999', DATE '2018-02-02','ST_MAN',8000,null,124,-20);

EXECUTE INSERTEMPLOYEE('TEST','TEST','test@test.pl','999-999-999', DATE '2018-02-02','ST_MAN',8000,null,-20,50);

EXECUTE INSERTEMPLOYEE('TEST','TEST','test@test.pl','999-999-999', DATE '2018-02-02','ST_MAN',100000000,null,124,50);

EXECUTE INSERTEMPLOYEE('TEST','TEST','test@test.pl','999-999-999', DATE '2018-02-02','ST_MAN',80,null,124,50);

EXECUTE INSERTEMPLOYEE('TEST','TEST','test@test.pl','999-999-999', DATE '2019-02-02','ST_MAN',8000,null,124,50);