



pears.PersonAvailableforPlan



Generated schema reference. Regenerate this page from the SQL unload; keep hand-maintained business notes in the narrative namespace.

Original SQL

```
COMMENT TO PRESERVE FORMAT ON PROCEDURE "pears"."PersonAvailableforPlan" IS
{CREATE FUNCTION PersonAvailableforPlan

/* Application Maintained Function / Procedure - DO NOT EDIT*/

(
  IN sPersonid CHAR(20),IN dShiftDate DATE,IN tShiftFrom TIME,IN tShiftTo
TIME,IN iRecovery SMALLINT,IN iMinutes SMALLINT,
  IN iCheckExplicitlyAvailable SMALLINT,IN departmentid CHAR(2),IN
EssentialSkill CHAR(15),IN EssentialSkillGradeID CHAR(10),IN
EssentialSkillChoiceList CHAR(100),IN MovingShiftID CHAR(20) )
RETURNS CHAR(20)
BEGIN
  DECLARE foundState CHAR(20);
  DECLARE founddigit CHAR(1);
  DECLARE slotfound tinyint;
  DECLARE MustBeKnownAvailable tinyint;
  DECLARE RequiredGradeValue INTEGER;
  DECLARE UpperGradeValue INTEGER;
  DECLARE bExactGrade INTEGER;
  DECLARE MaxGradeValue INTEGER;
  DECLARE checktime TIME;
  DECLARE tloc CHAR(3);
  DECLARE tid CHAR(3);
  DECLARE gtid CHAR(3);
  DECLARE tcid CHAR(4);
  DECLARE i INTEGER;
  SET foundstate = NULL;
  IF spersonid IS NULL THEN
    RETURN NULL
  END IF;
  SET maxgradevalue = 1000000000; -- 1 billion should be safe
  IF "left"(essentialskillgradeid,2) = '==' THEN
    SET bExactGrade = 1;
    SET essentialskillgradeid = SUBSTRING(essentialskillgradeid,3)
```



```
ELSE
    SET bExactGrade = 0
END IF;
IF icheckexplicitlyavailable < 0 THEN
    SET mustbeknownavailable = 0;
    IF icheckexplicitlyavailable = -1 THEN
        SET icheckexplicitlyavailable = 1
    ELSE
        SET icheckexplicitlyavailable = 0
    END IF
ELSE SELECT onlymatchifknownavailable INTO mustbeknownavailable FROM
person WHERE personid = spersonid;
    SET mustbeknownavailable = isnull(mustbeknownavailable,0);
    IF mustbeknownavailable = 1 THEN
        SET icheckexplicitlyavailable = 1
    END IF END IF;
IF LENGTH(isnull(essentialskill,'')) > 2 THEN
    SET i = charindex(';',essentialskill);
    IF i > 0 THEN
        SET tloc = "left"(essentialskill,i-1);
        SET essentialskill = "right"(essentialskill,LENGTH(essentialskill)-i)
    END IF;
    SET i = charindex(';',essentialskill);
    IF i > 0 THEN
        SET tid = "left"(essentialskill,i-1);
        SET essentialskill = "right"(essentialskill,LENGTH(essentialskill)-i)
    END IF;
    SET i = charindex(';',essentialskill);
    IF i > 0 THEN
        SET tcid = "left"(essentialskill,i-1);
        SET gtid = "right"(essentialskill,LENGTH(essentialskill)-i);
        IF TRIM(gtid) = '' THEN
            SET gtid = tid
        END IF
    ELSE SET tcid = essentialskill;
        SET gtid = tid
    END IF;
    IF tloc = 'A' THEN
        SET tloc = string('A',departmentid)
    END IF;
    IF gtid <> tid THEN // gtid contains a single SELECT grade question. The
choice VALUE (OR sortorder IF VALUE IS NULL) IS used TO rate the grade
        SELECT isnull(VALUE,sortorder) INTO requiredgradevalue FROM tagchoice
WHERE taglocation = tloc AND tagid = gtid AND tagchoiceid =
essentialskillgradeid AND isnull(subchoice,0) = 0;
        IF requiredgradevalue IS NULL THEN
            SET requiredgradevalue = 1;
            SET uppergradevalue = maxgradevalue
```



```
ELSE
  IF bExactGrade = 1 THEN
    SET uppergradevalue = requiredgradevalue
  ELSE
    SET uppergradevalue = maxgradevalue
  END IF
END IF;
IF NOT EXISTS(SELECT * FROM tagvalue AS v KEY JOIN tagchoice AS c
WHERE v.taglocation = tloc AND v.tagid = gtid AND v.id = spersonid AND
isnull(c.value,c.sortorder) BETWEEN requiredgradevalue AND uppergradevalue)
THEN
  RETURN('Q') // NOT qualified
END IF;
SET requiredgradevalue = 1; // Grade CHECK done. The skill selection
may be multiple choice - any positive VALUE will do
SET uppergradevalue = maxgradevalue
ELSE
  SELECT VALUE INTO requiredgradevalue FROM tagchoice WHERE taglocation
= tloc AND tagid = tid AND tagchoiceid = essentialskillgradeid AND subchoice
= 1;
  IF requiredgradevalue IS NULL THEN
    SET requiredgradevalue = 1;
    SET uppergradevalue = maxgradevalue
  ELSE
    IF bExactGrade = 1 THEN
      SET uppergradevalue = requiredgradevalue
    ELSE
      SET uppergradevalue = maxgradevalue
    END IF
  END IF
END IF;
IF tcid <> '' THEN
  SET essentialskillchoicelist = tcid
ELSE
  SET essentialskillchoicelist = isnull(essentialskillchoicelist,'')
END IF;
while essentialskillchoicelist <> '' loop
  SET i = charindex(';',essentialskillchoicelist);
  IF i = 0 THEN
    SET tcid = essentialskillchoicelist;
    SET essentialskillchoicelist = ''
  ELSE
    SET tcid = "left"(essentialskillchoicelist,i-1);
    SET essentialskillchoicelist =
"right"(essentialskillchoicelist,LENGTH(essentialskillchoicelist)-i)
  END IF;
  IF NOT EXISTS(SELECT * FROM tagvalue WHERE taglocation = tloc AND
tagid = tid AND tagchoiceid LIKE tcid
```





```
ELSE IF foundstate IS NULL AND founddigit IN( 'H','U','P','B','W'
) THEN
    SET foundstate = founddigit
    END IF
    END IF END IF;
SET tshiftfrom = CAST(dateadd(MINUTE,30,tshiftfrom) AS TIME);
SET tshiftto = CAST(dateadd(MINUTE,30,tshiftto) AS TIME);
IF tshiftto > checktime OR tshiftto <= tshiftfrom THEN
    leave iterator
    END IF
    END loop iterator
    END IF END IF;
IF(foundstate IS NULL OR foundstate LIKE 'M%') AND mustbeknownavailable =
1 THEN
    SET foundstate = 'U'
    END IF;
    RETURN foundstate
END
}
```

From:

<https://iqxusers.co.uk/iqxhelp/> - iqx

Permanent link:

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