/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

\* File : Lab4\_4.2.doc

\* Author : BOGGAVARAPU SAI RAVITEJA

\* Version : 1.0

\* Date : 2 February 2018

\* Description : Calculating the total leaves with exceptions(Initial code)

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/BEGIN

DECLARE emp AS Employee

DECLARE TotalLeaves AS INTEGER

DECLARE index AS INTEGER

FOR index= 1 to 5

PROMPT "Enter the EmployeeId" AND ACCEPT emp.EmpId FROM USER

PROMPT "Enter the employmentType" AND ACCEPT emp.employmentType FROM USER

END FOR

FOR index= 1 to 5

TotalLeaves = check(emp.employmentType)

PRINT "Employee Id :" + emp.EmpId

PRINT "Total Available Leaves are :"+ TotalLeaves

END FOR

EXCEPTION

WHILE emp.EmpIdisNull AND emp.EmpIdisString THEN

PRINT "Enter a valid value"

WHILE emp.employmentTypeisNull AND emp.employmentTypeisNumber THEN

PRINT "Enter a valid value"

WHILE emp.employmentTypeisNot'PERMANENT' OR emp.employmentTypeisNot'CONTRACT' THEN

PRINT "Enter a valid value"

END

/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

\* Module : Employee

\* Author : BOGGAVARAPU SAI RAVITEJA

\* Date : 2 February 2018

\* Description : Creating structure to hold employee data

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/RECORD Employee

DECLARE EmpId as INTEGER

DECLARE employmentType AS STRING

END RECORD

/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

\* Module : Check

\* Author : BOGGAVARAPU SAI RAVITEJA

\* Date : 2 February 2018

\* Description : Calculating Total no of leaves for an employee

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/

SUB check(employmentType)

DECLARE leaves, TotalLeaves AS INTEGER

IF employmentType == 'PERMANENT' THEN

leaves = 2;

TotalLeaves = leaves\*12;

ELSE IF employmentType == 'CONTRACT' THEN

leaves = 1;

TotalLeaves = leaves \* 12;

END IF

RETURN TotalLeaves

END SUB