**1)**

CREATE OR REPLACE FUNCTION GET\_DESCR

(P\_COURSE\_NO SECTION.SECTION\_ID%TYPE)

RETURN VARCHAR2

IS

V\_COURSE\_DESCRIPT COURSE.DESCRIPTION%TYPE;

BEGIN

SELECT C. DESCRIPTION

INTO V\_COURSE\_DESCRIPT

FROM COURSE C, SECTION S

WHERE C.COURSE\_NO = S.COURSE\_NO

AND SECTION\_ID = P\_COURSE\_NO;

RETURN 'Course Description for Section Id '|| P\_COURSE\_NO ||' is Intro to' ||v\_course\_descript;

EXCEPTION

WHEN OTHERS THEN

RETURN 'There is NO such Section id: ' || P\_COURSE\_NO ;

END GET\_DESCR;

VARIABLE DESCRIPTION VARCHAR2(50)

EXECUTE :DESCRIPTION := GET\_DESCR(150)

PRINT DESCRIPTION

**2)**

CREATE OR REPLACE PROCEDURE SHOW\_BIZDAYS ( P\_CURDATE DATE := SYSDATE, P\_DAYS NUMBER := 30) IS

V\_DATE DATE := P\_CURDATE;

I NUMBER := 1;

V\_DAYS CHAR (1);

BEGIN

WHILE I < P\_DAYS

LOOP

V\_DATE := SYSDATE +1;

V\_DAYS := TO\_CHAR (V\_DATE, 'D');

IF ( V\_DAYS NOT IN ('1', '7')) THEN

I := I + 1;

DBMS\_OUTPUT.PUT\_LINE( ' THE INDEX IS : ' || I || ' AND THE TABLE VALUE IS :' || V\_DATE);

END IF;

END LOOP;

END SHOW\_BIZDAYS;

**3/A)**

CREATE OR REPLACE PACKAGE lab5 IS

PROCEDURE SHOW\_BIZDAYS (

P\_CURDATE DATE := SYSDATE,

P\_DAYS NUMBER := 30);

FUNCTION GET\_DESCR(

P\_COURSE\_NO SECTION.SECTION\_ID%TYPE)

RETURN VARCHAR2;

END LAB5;

**3/B)**

CREATE OR REPLACE PACKAGE BODY LAB5 IS

PROCEDURE SHOW\_BIZDAYS (

P\_CURDATE DATE := SYSDATE, P\_DAYS NUMBER := 30) IS

V\_DATE DATE := P\_CURDATE;

I NUMBER := 1;

V\_DAYS CHAR (1);

BEGIN

WHILE I < P\_DAYS

LOOP

V\_DATE := SYSDATE +1;

V\_DAYS := TO\_CHAR (V\_DATE, 'D');

IF ( V\_DAYS NOT IN ('1', '7')) THEN

I := I + 1;

DBMS\_OUTPUT.PUT\_LINE( ' The index is : ' || I || ' and the table value is :' || V\_DATE);

END IF;

END LOOP;

END SHOW\_BIZDAYS;

FUNCTION GET\_DESCR(

P\_COURSE\_NO SECTION.SECTION\_ID%TYPE)

RETURN VARCHAR2

IS

V\_COURSE\_DESCRIPT COURSE.DESCRIPTION%TYPE;

BEGIN

SELECT C. DESCRIPTION

INTO V\_COURSE\_DESCRIPT

FROM COURSE C, SECTION S

WHERE C.COURSE\_NO = S.COURSE\_NO

AND SECTION\_ID = P\_COURSE\_NO;

RETURN 'Course Description for Section Id '|| P\_COURSE\_NO ||' is Intro to' ||v\_course\_descript;

EXCEPTION

WHEN OTHERS THEN

RETURN 'There is NO such Section id: ' || P\_COURSE\_NO ;

END GET\_DESCR;

END LAB5;

**3/C)**

VARIABLE SDATE DATE := SYSDATE+7

EXECUTE :SDATE := LAB5.SHOW\_BIZDAYS(10);

PRINT SDATE

**4/A)**

CREATE OR REPLACE PACKAGE lab5 IS

PROCEDURE SHOW\_BIZDAYS (

P\_CURDATE DATE := SYSDATE, P\_DAYS NUMBER);

FUNCTION GET\_DESCR(

P\_COURSE\_NO SECTION.SECTION\_ID%TYPE)

RETURN VARCHAR2;

END LAB5;

**4/B)**

CREATE OR REPLACE PACKAGE BODY LAB5 IS

PROCEDURE SHOW\_BIZDAYS (

P\_CURDATE DATE := SYSDATE, P\_DAYS NUMBER ) IS

V\_DATE DATE := P\_CURDATE;

I NUMBER := 1;

V\_DAYS CHAR (1);

BEGIN

WHILE I < P\_DAYS

LOOP

V\_DATE := SYSDATE +1;

V\_DAYS := TO\_CHAR (V\_DATE, 'D');

IF ( V\_DAYS NOT IN ('1', '7')) THEN

I := I + 1;

DBMS\_OUTPUT.PUT\_LINE( ' The index is : ' || I || ' and the table value is :' || V\_DATE);

END IF;

END LOOP;

END SHOW\_BIZDAYS;

ACCEPT DAYS NUMBER PROMPT 'Enter how many days you need to be showed : ';

DECLARE

DAYS\_NO NUMBER := &DAYS;

SHOW\_BIZDAYS(SYSDATE + 7, DAYS\_NO);

FUNCTION GET\_DESCR(

P\_COURSE\_NO SECTION.SECTION\_ID%TYPE)

RETURN VARCHAR2

IS

V\_COURSE\_DESCRIPT COURSE.DESCRIPTION%TYPE;

BEGIN

SELECT C. DESCRIPTION

INTO V\_COURSE\_DESCRIPT

FROM COURSE C, SECTION S

WHERE C.COURSE\_NO = S.COURSE\_NO

AND SECTION\_ID = P\_COURSE\_NO;

RETURN 'Course Description for Section Id '|| P\_COURSE\_NO ||' is Intro to' ||v\_course\_descript;

EXCEPTION

WHEN OTHERS THEN

RETURN 'There is NO such Section id: ' || P\_COURSE\_NO ;

END GET\_DESCR;

END LAB5;

**4/C)**

VARIABLE SDATE DATE := SYSDATE+7

EXECUTE :SDATE := LAB5.SHOW\_BIZDAYS();

PRINT SDATE