1,

CREATE OR REPLACE FUNCTION Get\_Descr (

secid section.section\_id%TYPE

) RETURN VARCHAR2 IS

v\_desc VARCHAR2(100);

BEGIN

select description into v\_desc

from course where course\_no = (

select course\_no from section where section\_id = secid);

v\_desc := 'Course Description for Section Id '|| secid || ' is '|| v\_desc ;

return v\_desc;

EXCEPTION

WHEN NO\_DATA\_FOUND THEN

v\_desc := 'There is NO such Section id: ' || secid;

RETURN v\_desc;

END Get\_Descr;

/

-- If you test with 150 then:

SET SERVEROUTPUT ON

SET VERIFY OFF

VARIABLE a VARCHAR2(100)

EXECUTE :a := Get\_Descr(150)

print a

-- If you test with 999 then:

VARIABLE a VARCHAR2(100)

EXECUTE :a := Get\_Descr(999)

print a

2,

CREATE OR REPLACE PROCEDURE show\_bizdays (

v\_startdate IN DATE := sysdate,

v\_noofbusinessday IN NUMBER:= 30

) IS

v\_sysdate DATE;

BEGIN

v\_sysdate := v\_startdate;

FOR i IN 1..v\_noofbusinessday LOOP

v\_sysdate := v\_sysdate + 1;

IF to\_char(v\_sysdate, 'D') = 1 THEN

v\_sysdate := v\_sysdate + 1;

ELSIF to\_char(v\_sysdate, 'D') = 7 THEN

v\_sysdate := v\_sysdate + 2;

END IF;

dbms\_output.put\_line('The index is : '|| i ||' and the table value is: ' || v\_sysdate);

END LOOP;

END show\_bizdays;

/

execute show\_bizdays;

execute show\_bizdays(sysdate+7,10);

3,

CREATE OR REPLACE PACKAGE Lab5 IS

FUNCTION Get\_Descr (

secid section.section\_id%TYPE

) RETURN VARCHAR2 ;

PROCEDURE show\_bizdays (

v\_startdate IN DATE := sysdate,

v\_noofbusinessday IN NUMBER:= 30

) ;

END Lab5;

/

CREATE OR REPLACE PACKAGE BODY Lab5 IS

FUNCTION Get\_Descr (

secid section.section\_id%TYPE

) RETURN VARCHAR2 IS

v\_desc VARCHAR2(100);

BEGIN

select description into v\_desc

from course where course\_no = (

select course\_no from section where section\_id = secid);

v\_desc := 'Course Description for Section Id '|| secid || ' is '|| v\_desc ;

return v\_desc;

EXCEPTION

WHEN NO\_DATA\_FOUND THEN

v\_desc := 'There is NO such Section id: ' || secid;

RETURN v\_desc;

END Get\_Descr;

PROCEDURE show\_bizdays (

v\_startdate IN DATE := sysdate,

v\_noofbusinessday IN NUMBER:= 30

) IS

v\_sysdate DATE;

BEGIN

v\_sysdate := v\_startdate;

FOR i IN 1..v\_noofbusinessday LOOP

v\_sysdate := v\_sysdate + 1;

IF to\_char(v\_sysdate, 'D') = 1 THEN

v\_sysdate := v\_sysdate + 1;

ELSIF to\_char(v\_sysdate, 'D') = 7 THEN

v\_sysdate := v\_sysdate + 2;

END IF;

dbms\_output.put\_line('The index is : '|| i ||' and the table value is: ' || v\_sysdate);

END LOOP;

END show\_bizdays;

END Lab5;

/

SET SERVEROUTPUT ON

SET VERIFY OFF

execute Lab5.show\_bizdays;

execute Lab5.show\_bizdays(sysdate+7,10);

4,

CREATE OR REPLACE PACKAGE Lab5 IS

FUNCTION Get\_Descr (

secid section.section\_id%TYPE

) RETURN VARCHAR2 ;

PROCEDURE show\_bizdays (

v\_startdate IN DATE := sysdate,

v\_noofbusinessday IN NUMBER:= 30

) ;

PROCEDURE show\_bizdays (

v\_startdate IN DATE := sysdate

) ;

END Lab5;

/

CREATE OR REPLACE PACKAGE BODY Lab5 IS

FUNCTION Get\_Descr (

secid section.section\_id%TYPE

) RETURN VARCHAR2 IS

v\_desc VARCHAR2(100);

BEGIN

select description into v\_desc

from course where course\_no = (

select course\_no from section where section\_id = secid);

v\_desc := 'Course Description for Section Id '|| secid || ' is '|| v\_desc ;

return v\_desc;

EXCEPTION

WHEN NO\_DATA\_FOUND THEN

v\_desc := 'There is NO such Section id: ' || secid;

RETURN v\_desc;

END Get\_Descr;

PROCEDURE show\_bizdays (

v\_startdate IN DATE := sysdate,

v\_noofbusinessday IN NUMBER:= 30

) IS

v\_sysdate DATE;

BEGIN

v\_sysdate := v\_startdate;

FOR i IN 1..v\_noofbusinessday LOOP

v\_sysdate := v\_sysdate + 1;

IF to\_char(v\_sysdate, 'D') = 1 THEN

v\_sysdate := v\_sysdate + 1;

ELSIF to\_char(v\_sysdate, 'D') = 7 THEN

v\_sysdate := v\_sysdate + 2;

END IF;

dbms\_output.put\_line('The index is : '|| i ||' and the table value is: ' || v\_sysdate);

END LOOP;

END show\_bizdays;

PROCEDURE show\_bizdays (

v\_startdate IN DATE := sysdate

) IS

v\_noofbusinessday NUMBER := 10;

v\_sysdate DATE;

BEGIN

v\_sysdate := v\_startdate;

FOR i IN 1..v\_noofbusinessday LOOP

v\_sysdate := v\_sysdate + 1;

IF to\_char(v\_sysdate, 'D') = 1 THEN

v\_sysdate := v\_sysdate + 1;

ELSIF to\_char(v\_sysdate, 'D') = 7 THEN

v\_sysdate := v\_sysdate + 2;

END IF;

dbms\_output.put\_line('The index is : '|| i ||' and the table value is: ' || v\_sysdate);

END LOOP;

END show\_bizdays;

END Lab5;

/

SET SERVEROUTPUT ON

SET VERIFY OFF

execute Lab5.show\_bizdays;

execute Lab5.show\_bizdays(sysdate+7,10);

execute Lab5.show\_bizdays(sysdate);