```
SQL> CREATE TABLE persons(
     person_id NUMBER GENERATED BY DEFAULT AS IDENTITY,
  3 first_name VARCHAR2(50) NOT NULL,
  4 last_name VARCHAR2(50) NOT NULL,
  5 PRIMARY KEY(person_id)
  6);
Table created.
SQL> DESC persons;
Name
                                   Null?
                                           Type
PERSON_ID
                                   NOT NULL NUMBER
                                   NOT NULL VARCHAR2(50)
FIRST_NAME
LAST_NAME
                                   NOT NULL VARCHAR2(50)
SQL> CREATE TABLE purchase_order_item(
     po_nr NUMBER NOT NULL,
     item_nr NUMBER NOT NULL,
  4 product_id NUMBER NOT NULL,
     quantity NUMBER NOT NULL,
     purchase_unit NUMBER NOT NULL,
     buy_price NUMBER(9,2) NOT NULL,
     delivery_date DATE,
     PRIMARY KEY(po_nr,item_nr)
 10
     );
Table created.
SQL> ALTER TABLE persons
  2 ADD birthdate DATE NOT NULL;
Table altered.
SQL> DESC persons;
Name
                                      Null?
                                              Type
                                      NOT NULL NUMBER
PERSON_ID
FIRST_NAME
                                      NOT NULL VARCHAR2(50)
LAST_NAME
                                      NOT NULL VARCHAR2(50)
BIRTHDATE
                                      NOT NULL DATE
```

```
SQL> ALTER TABLE persons
  2
      ADD(
     phone VARCHAR(20),
  4 email VARCHAR(100)
      );
Table altered.
SQL> DESC persons;
 Name
                                       Null?
                                                Type
 PERSON_ID
                                       NOT NULL NUMBER
 FIRST_NAME
                                       NOT NULL VARCHAR2(50)
 LAST_NAME
                                       NOT NULL VARCHAR2(50)
 BIRTHDATE
                                       NOT NULL DATE
                                                VARCHAR2(20)
 PHONE
                                                VARCHAR2(100)
 EMAIL
                              EXPERIMENT-02
SQL> CREATE TABLE persons(
      person_id NUMBER GENERATED BY DEFAULT AS IDENTITY,
  3 first_name VARCHAR2(50) NOT NULL,
  4 last_name VARCHAR2(50) NOT NULL,
      PRIMARY KEY(person_id)
  6
      );
Table created.
SQL> DROP TABLE persons;
Table dropped.
SQL> DESC persons;
ERROR:
ORA-04043: object persons does not exist
SQL> CREATE TABLE person(
      person_id NUMBER,
      person_name VARCHAR2(50) NOT NULL
  4 );
Table created.
SQL> DESC person;
 Name
                                     Null?
                                             Type
 PERSON_ID
                                             NUMBER
 PERSON_NAME
                                     NOT NULL VARCHAR2(50)
```

```
SQL> INSERT INTO person(person_id,person_name)
  2 VALUES(1,'mani');

1 row created.

SQL> INSERT INTO person(person_id,person_name)
  2 VALUES(2,'chandu');

1 row created.

SQL> TRUNCATE TABLE person;

Table truncated.

SQL> SELECT * FROM person;

no rows selected
```

2

```
SQL> CREATE TABLE employee(
2 employee_id NUMBER NOT NULL,
3 name VARCHAR(50) NOT NULL,
4 dept_name VARCHAR(50) NOT NULL
5 );

Table created.
```

```
SQL> INSERT INTO employee(employee_id,name,dept_name)
  2 VALUES(1,'mani','cse');
1 row created.
SQL> INSERT INTO employee(employee_id,name,dept_name)
  2 VALUES(2,'deepu','eee');
1 row created.
SQL> INSERT INTO employee(employee_id,name,dept_name)
     VALUES(3, 'chandu', 'ece');
1 row created.
SQL> INSERT INTO employee(employee_id,name,dept_name)
  2 VALUES(4,'gnani','mech');
1 row created.
SQL> SELECT employee_id, name FROM employee;
EMPLOYEE_ID NAME
         1 mani
         2 deepu
         3 chandu
         4 gnani
```

```
SQL> DELETE FROM employee WHERE dept_name='cse';
1 row deleted.
SQL> SELECT * FROM employee;
EMPLOYEE_ID NAME
DEPT_NAME
           2 deepu
eee
           3 chandu
ece
           4 gnani
mech
SQL> UPDATE employee
  2 SET name='gnanadeep'
3 WHERE employee_id='4';
1 row updated.
SQL> SELECT * FROM employee;
EMPLOYEE_ID NAME
DEPT_NAME
           1 mani
cse
           2 deepu
eee
           3 chandu
ece
EMPLOYEE_ID NAME
DEPT_NAME
           4 gnanadeep
mech
```

```
SQL> CREATE TABLE students (
  2 student_id INT PRIMARY KEY,
    first_name VARCHAR(50),
     last_name VARCHAR(50),
     age INT,
  5
     grade VARCHAR(10)
  7
     );
Table created.
SQL> INSERT INTO students(student_id,first_name,last_name,age,grade)
 2 VALUES(1, 'mani', 'chandrika', 20, 'A');
1 row created.
SQL> INSERT INTO students(student_id,first_name,last_name,age,grade)
  2 VALUES(2,'gnana','deep',21,'B');
1 row created.
SQL> INSERT INTO students(student_id,first_name,last_name,age,grade)
  2 VALUES(3,'madhu','sudhan',22,'A');
1 row created.
SQL> CREATE VIEW view_high_rankers AS
  2 SELECT *
  3 FROM students
     WHERE grade='A';
View created.
SQL> SELECT * FROM students;
STUDENT_ID FIRST_NAME
LAST_NAME
                                                     AGE GRADE
        1 mani
chandrika
                                                      20 A
        2 gnana
deep
                                                      21 B
        3 madhu
sudhan
                                                      22 A
```

```
SQL> SELECT student_id,first_name FROM view_high_rankers;
STUDENT_ID FIRST_NAME
          1 mani
          3 madhu
SQL> CREATE VIEW view_young_students AS
      SELECT *
   3
      FROM students
      WHERE age < 21;
View created.
SQL> SELECT student_id,first_name,age FROM view_young_students;
STUDENT_ID FIRST_NAME
                                                                    AGE
         1 mani
                                                                     20
SQL> CREATE VIEW view_s_lastname_students AS
     SELECT *
  3 FROM students
  4 WHERE last_name LIKE 'm%';
View created.
SQL> CREATE VIEW view_m_firstname_students AS
  2 SELECT *
    FROM students
  4 WHERE first_name LIKE 'm%';
View created.
SQL> SELECT student_id,first_name,age FROM view_m_firstname_students;
STUDENT_ID FIRST_NAME
                                                                     AGE
         1 mani
                                                                      20
         3 madhu
SQL> INSERT INTO view_m_firstname_students VALUES(5,'mani','deep',25,'E');
1 row created.
SQL> SELECT student_id,first_name,age FROM view_m_firstname_students;
STUDENT_ID FIRST_NAME
                                                                 AGE
        1 mani
                                                                  26
        3 madhu
                                                                  22
        5 mani
```

```
SQL> UPDATE view_m_firstname_students
  2 SET age=26
  3 WHERE student_id=1;
1 row updated.
SQL> SELECT student_id,first_name,age FROM view_m_firstname_students;
STUDENT_ID FIRST_NAME
         1 mani
                                                                      26
         3 madhu
                                                                       22
SQL> DELETE FROM view_m_firstname_students WHERE student_id=3;
1 row deleted.
SQL> SELECT student_id,first_name,age FROM view_m_firstname_students;
STUDENT_ID FIRST_NAME
                                                                      AGE
                                                                       26
         1 mani
         5 mani
                                                                       25
```

4

```
SQL> CREATE TABLE emp1(
2 eid int,
3 ename VARCHAR(20),
4 eplace VARCHAR(20),
5 );

Table created.

SQL> INSERT INTO emp1
2 VALUES('11', 'mani', 'DMM');
1 row created.

SQL> INSERT INTO emp1
2 VALUES('12', 'jyothi', 'PKD');
1 row created.

SQL> INSERT INTO emp1
2 VALUES('12', 'jyothi', 'PKD');
1 row created.

SQL> INSERT INTO emp1
2 VALUES('13', 'ayesha', 'ATP');
1 row created.
```

```
SQL> CREATE TABLE emp2(
  2 eid int,
  3 ename VARCHAR(20),
  4 eplace VARCHAR(20)
  5);
Table created.
SQL> INSERT INTO emp2
  2 VALUES('24','gowri','bngr');
1 row created.
SQL> INSERT INTO emp2
  2 VALUES('25','chandu','chennai');
1 row created.
SQL> INSERT INTO emp2
  2 VALUES('26','deep','tirupati');
1 row created.
SQL> INSERT INTO emp2
  2 VALUES('27', 'gnana', 'pune');
1 row created.
SQL> SELECT * FROM emp1;
       EID ENAME
                                EPLACE
        11 mani
                                DMM
        12 jyothi
                                PKD
        13 ayesha
                                ATP
SQL> SELECT * FROM emp2;
      EID ENAME
                               EPLACE
       24 gowri
                               bngr
       25 chandu
                               chennai
       26 deep
                               tirupati
       27 gnana
                               pune
```

```
SQL> SELECT * FROM emp1 UNION SELECT * FROM emp2;
       EID ENAME
                               EPLACE
       11 mani
                              DMM
       12 jyothi
13 ayesha
                              PKD
                              ATP
                         bngr
chennai
tirupati
        24 gowri
       25 chandu
       26 deep
       27 gnana
                               pune
7 rows selected.
SQL> SELECT * FROM emp1 MINUS SELECT * FROM emp2;
       EID ENAME
                                  EPLACE
        11 mani
                                  DMM
        12 jyothi
                                  PKD
        13 ayesha
                                 ATP
SQL> SELECT * FROM emp1 UNION ALL SELECT * FROM emp2;
       EID ENAME
                              EPLACE
       11 mani
                              DMM
       12 jyothi
13 ayesha
24 gowri
25 chandu
26 deep
                             PKD
                              ATP
                             bngr
                             chennai
                             tirupati
        27 gnana
                             pune
7 rows selected.
SQL> SELECT * FROM emp1 NATURAL JOIN emp2;
no rows selected
SQL> SELECT * FROM emp1 INTERSECT SELECT * FROM emp2;
no rows selected
```

SQL> SELECT * FROM emp1 CROSS JOIN emp2;								
EID EN	NAME 	EPLACE	EID					
	EPLACE							
11 ma gowri		DMM	24					
11 ma chandu	ani chennai	DMM	25					
11 ma deep	ani tirupati	DMM	26					
EID EN	NAME 	EPLACE	EID					
ENAME	EPLACE							
11 ma gnana	ani pune	DMM	27					
12 jy gowri	yothi bngr	PKD	24					
12 jy chandu	yothi chennai	PKD	25					
EID EN	NAME	EPLACE	EID					
ENAME	EPLACE							
12 jy deep	yothi tirupati	PKD	26					
12 iv	vothi	מעם	27					

SQL> SI	ELECT * FROM	emp1 CROSS .	JOIN emp2;		
	EID ENAME		EPLACE	EID	
ENAME		EPLACE			
gowri	ll mani	bngr	DMM	24	
chandu	11 mani	chennai	DMM	25	
deep	11 mani	tirupati	DMM	26	
	EID ENAME		EPLACE	EID	
ENAME		EPLACE			
gnana	11 mani	pune	DMM	27	
gowri	12 jyothi	bngr	PKD	24	
chandu	12 jyothi	chennai	PKD	25	
	EID ENAME		EPLACE	EID	
ENAME		EPLACE			
deep	12 jyothi	tirupati	PKD	26	
gnana	12 jyothi	pune	PKD	27	
gowri	13 ayesha	bngr	ATP	24	
	EID ENAME		EPLACE	EID	
ENAME		EPLACE			
chandu	13 ayesha	chennai	ATP	25	
deep	13 ayesha	tirupati	ATP	26	
gnana	13 ayesha	pune	ATP	27	
12 rows	s selected.				

SQL> SELECT * FROM emp1 NATURAL JOIN emp2;
no rows selected

```
SQL> CREATE TABLE instructor (
  2 ID NUMBER(10) PRIMARY KEY,
     Name VARCHAR2(25) NOT NULL,
  4 dept_name VARCHAR2(10) NOT NULL,
  5 salary NUMBER(10,0)
  6);
Table created.
SQL> INSERT INTO instructor VALUES(1, 'Mani', 'CSE', 30000);
1 row created.
SQL> INSERT INTO instructor VALUES(2, 'Deep', 'CSE', 40000);
1 row created.
SQL> INSERT INTO instructor VALUES(3, 'Mouni', 'CSM', 50000);
1 row created.
SQL> INSERT INTO instructor VALUES(4, 'Dhanu', 'CSM', 60000);
1 row created.
SQL> INSERT INTO instructor VALUES(5, 'Madhu', 'CSD', 70000);
1 row created.
SQL> SELECT * FROM instructor;
        ID NAME
                                     DEPT_NAME
                                                    SALARY
         1 Mani
                                     CSE
                                                      30000
         2 Deep
                                     CSE
                                                     40000
         3 Mouni
                                     CSM
                                                      50000
         4 Dhanu
                                     CSM
                                                      60000
         5 Madhu
                                     CSD
                                                      70000
SQL> SELECT dept_name,avg(salary)
  2 FROM instructor
  3 GROUP BY dept_name;
DEPT_NAME AVG(SALARY)
CSE
                  35000
CSM
                  55000
CSD
                  70000
```

```
SQL> SELECT SUM(salary)
  2 FROM instructor
 3 WHERE dept_name = 'CSE';
SUM(SALARY)
     70000
SQL> SELECT Avg(salary)
  2 FROM instructor
 3 WHERE dept_name = 'CSE';
AVG(SALARY)
     35000
SQL> SELECT count(salary)
 2 FROM instructor
 3 WHERE dept_name = 'CSE';
COUNT(SALARY)
            2
SQL> SELECT Min(salary)
  2 FROM instructor
 3 WHERE dept_name = 'CSE';
MIN(SALARY)
     30000
SQL> SELECT Max(salary)
 2 FROM instructor
 3 WHERE dept_name = 'CSE';
MAX(SALARY)
     40000
```

```
SQL> CREATE TABLE library (
  2 Rollno NUMBER,
  3 Book VARCHAR(10)
  4 );
Table created.
SQL> INSERT INTO library VALUES(11, 'DBMS');
1 row created.
SQL> INSERT INTO library VALUES(12, 'JAVA');
1 row created.
SQL> INSERT INTO library VALUES(13, 'SE');
1 row created.
SQL> INSERT INTO library VALUES(14, 'PYTHON');
1 row created.
SQL> INSERT INTO library VALUES(15, 'ORACLE');
1 row created.
SQL> SELECT * FROM library;
    ROLLNO BOOK
        11 DBMS
        12 JAVA
        13 SE
        14 PYTHON
```

15 ORACLE

<pre>SQL> SELECT * 2 FROM student 3 INNER JOIN library ON student.branch = 'CSE' 4 AND library.title = 'DBMS';</pre>		
ROLLNO NAME		
BRANCH	ROLLNO	
TITLE		
1 John CSE DBMS	1	
SQL> SELECT * 2 FROM student 3 INNER JOIN library ON student.Rollno = libr	rary.Rollno;	
BRANCH	ROLLNO	
TITLE		
1 John CSE DBMS	1	
2 Jane EEE JAVA	2	

	ROM s	T * student DUTER JOIN	library	y Ol	ON :	stu	ıden	nt.R	ollı	10 =	li	bra:	ry.F	loll	Lnc);	
RO	LLNO	NAME															
BRANCH													ROL	.LNC			
TITLE																	
CSE DBMS		John												1	L		
EEE JAVA	2	Jane												2	2		
RO	LLNO	NAME															
BRANCH														LNC)		
TITLE																	
ECE		Bob															

2		「 * student OUTER JOIN library ON student.Rollno = l	ibrary.Rollno;
R	ROLLNO	NAME	
BRANC			ROLLNO
TITLE			
CSE DBMS	1	John	1
EEE JAVA	2	Jane	2
	ROLLNO	NAME	
BRANC	H		ROLLNO
TITLE			
SE			4

2	SELECT * FROM student FULL OUTER JOIN library ON student.Rollno = lib	rary.Rollno;
	OLLNO NAME	
BRANC		ROLLNO
TITLE		
CSE DBMS	1 John	1
EEE JAVA	2 Jane	2
R	OLLNO NAME	
BRANC		ROLLNO
TITLE		
.=		4
SE	3 Bob	
SQL> 2 3	SELECT * FROM student NATURAL JOIN library;	
F	ROLLNO NAME	
BRANC	 CH	
TITLE	 E	-
CSE DBMS	1 John	
EEE JAVA	2 Jane	

```
SQL> connect sys as sysdba
Enter password:
Connected.
SQL> CREATE TABLE student (
  2 StudentID INT PRIMARY KEY,
  3 FirstName VARCHAR(50),
  4 LastName VARCHAR(50),
  5 Age INT,
  6 Grade FLOAT
  7);
Table created.
SQL> INSERT INTO Student VALUES(1, 'Mani', 'Chandrika', 20, 50);
1 row created.
SQL> INSERT INTO Student VALUES(2, 'Gnana', 'Deep', 21, 60);
1 row created.
SQL> INSERT INTO Student VALUES(3, 'Madhu', 'Sudhan', 22, 70);
1 row created.
SQL> INSERT INTO Student VALUES(4, 'Chandra', 'Kala', 18, NULL);
1 row created.
SQL> SELECT * FROM Student WHERE Age BETWEEN 20 AND 25;
STUDENTID FIRSTNAME
LASTNAME
                                                  AGE
                                                          GRADE
       1 Mani
Chandrika
       2 Gnana
Deep
                                                   21
                                                             60
       3 Madhu
Sudhan
                                                   22
                                                             70
```

SQL> SELECT * FROM Student WHERE Grade is NULL;						
STUDENTID FIRSTNAME						
LASTNAME	AGE	GRADE				
4 Chandra Kala	18					
SQL> SELECT * FROM student 2 WHERE EXISTS 3 (SELECT StudentID, FirstName FROM student WH	ERE Grade 1	IS NULL);				
STUDENTID FIRSTNAME						
LASTNAME	AGE	GRADE				
4 Chandra Kala	18					
SQL> SELECT StudentID, FirstName FROM Student WHERE FirstName LIKE 'M%'; STUDENTID FIRSTNAME 1 Mani 3 Madhu						
SQL> SELECT StudentID, FirstName, Age FROM Student WHERE A	ge IN(20,21,	22);				
STUDENTID FIRSTNAME	Αι	GE				
		 20 21 22				

```
SQL> SELECT UPPER('hello world') FROM dual;
UPPER('HELL
HELLO WORLD
SQL> SELECT LOWER('HELLO WORLD') FROM dual;
LOWER('HELL
hello world
SQL> SELECT INITCAP('hello world') FROM dual;
INITCAP('HE
Hello World
SQL> SELECT LENGTH('MANI CHANRIKA') FROM dual;
LENGTH('MANICHANRIKA')
                       13
SQL> SELECT SUBSTR('MANI CHANDRIKA',3,7) FROM dual;
SUBSTR(
NI CHAN
SQL> SELECT REPLACE('MANI CHANDRIKA', 'CHANDRIKA', 'CHANDANA') FROM dual;
REPLACE('MANI
MANI CHANDANA
SQL> SELECT INSTR('MANI CHANDRIKA', 'CHANDRIKA') FROM dual;
INSTR('MANICHANDRIKA','CHANDRIKA')
SQL> SELECT LPAD('MANI CHANDRIKA',20,'*') FROM dual;
LPAD('MANICHANDRIKA'
*****MANI CHANDRIKA
```

```
SQL> SELECT RPAD('MANI CHANDRIKA',20,'*') FROM dual;
RPAD('MANICHANDRIKA'
MANI CHANDRIKA*****
SQL> SELECT TRIM(' MANI CHANDRIKA ') FROM dual;
TRIM('MANICHAN
MANI CHANDRIKA
SQL> SELECT LTRIM(' MANI CHANDRIKA ') FROM dual;
LTRIM('MANICHANDRIKA'
MANI CHANDRIKA
SQL> SELECT RTRIM(' MANI CHANDRIKA ') FROM dual;
RTRIM('MANICHANDRIKA')
       MANI CHANDRIKA
SQL> SELECT ROUND(15.789,1) FROM DUAL;
ROUND(15.789,1)
           15.8
SQL> SELECT MOD(1600,100) FROM DUAL;
MOD(1600,100)
SQL> SELECT TRUNC(45.426,1) FROM DUAL;
TRUNC(45.426,1)
      45.4
SQL> SELECT SYSDATE FROM DUAL;
SYSDATE
10-DEC-23
```

```
SQL> SELECT MONTHS_BETWEEN(SYSDATE, '10-DEC-23') FROM DUAL;
MONTHS_BETWEEN(SYSDATE, '10-DEC-23')
                                  0
SQL> SELECT ADD_MONTHS(SYSDATE, 2) FROM DUAL;
ADD_MONTH
10-FEB-24
SQL> SELECT NEXT_DAY(SYSDATE, 'THURSDAY') FROM DUAL;
NEXT_DAY(
14-DEC-23
SQL> SELECT LAST_DAY(SYSDATE) FROM DUAL;
LAST_DAY(
31-DEC-23
SQL> SELECT TRUNC('25-JUL-03', 'YEAR')
 2 FROM DUAL;
SQL> SELECT CONCAT('HELLO', 'WORLD')
 2 FROM DUAL;
CONCAT('HE
HELLOWORLD
```

```
SQL> CREATE TABLE students(
  2 StudentID INT PRIMARY KEY,
  3 FirstName VARCHAR(50),
  4 LastName VARCHAR(50)
  5);
Table created.
SQL> CREATE TABLE Courses (
  2 CourseID INT PRIMARY KEY,
  3 CourseName VARCHAR(50)
  4 );
Table created.
SQL> CREATE TABLE Enrollments (
 2 EnrollmentID INT PRIMARY KEY,
 3 StudentID INT,
 4 CourseID INT,
 5 FOREIGN KEY(StudentID) REFERENCES Students(StudentID),
 6 FOREIGN KEY(CourseID) REFERENCES Courses(CourseID)
 7);
Table created.
SQL> CREATE TABLE Employees (
  2 EmployeeID INT PRIMARY KEY,
  3 EmployeeName VARCHAR(50),
  4 Email VARCHAR(50) UNIQUE
  5);
Table created.
SQL> CREATE TABLE prders (
  2 orderID INT PRIMARY KEY,
     productName VARCHAR(50) NOT NULL,
    quantity INT
  5
    );
Table created.
```

```
SQL> CREATE TABLE products (
2 productID INT PRIMARY KEY,
3 productName VARCHAR(50),
4 price DECIMAL(10,2) CHECK(price>0)
5 );

Table created.

SQL> CREATE TABLE customers (
2 customerID INT PRIMARY KEY,
3 customerName VARCHAR(50),
4 country VARCHAR(50) DEFAULT 'US'
5 );

Table created.
```

```
SQL> DECLARE
  2 fac NUMBER :=1;
 3 n NUMBER := 10;
 4 BEGIN
 5 WHILE n > 0 LOOP
 6 fac:=n*fac;
 7 n:=n-1;
 8 END LOOP;
 9 DBMS_OUTPUT.PUT_LINE(FAC);
 10 END;
 11
PL/SQL procedure successfully completed.
SQL> SET SERVEROUT ON
SQL> /
3628800
PL/SQL procedure successfully completed.
```

```
SQL> DECLARE
  2 n NUMBER;
  3 i NUMBER;
  4 temp NUMBER;
  5 BEGIN
  6 n := 13;
  7 i := 2;
 8 temp := 1;
 9 FOR i IN 2..n/2
 10 LOOP
 11 IF MOD(n, i) = 0
 12 THEN
 13 temp := 0;
 14 EXIT;
 15 END IF;
     END LOOP;
 16
 17 IF temp = 1
 18 THEN
    DBMS_OUTPUT.PUT_LINE(n||' is a prime number');
 19
 20
    DBMS_OUTPUT.PUT_LINE(n||' is not a prime number');
 21
 22 END IF;
 23
     END;
 24
13 is a prime number
PL/SQL procedure successfully completed.
```

```
SQL> DECLARE
  2 FIRST NUMBER := 0;
  3 SECOND NUMBER := 1;
 4 TEMP NUMBER;
  5 N NUMBER := 5;
  6
    I NUMBER;
 7
    BEGIN
    DBMS_OUTPUT.PUT_LINE('SERIES:');
    DBMS_OUTPUT.PUT_LINE(FIRST);
 10 DBMS_OUTPUT.PUT_LINE(SECOND);
 11
    FOR I IN 2..N
 12
    L00P
 13
    TEMP:=FIRST+SECOND;
 14 FIRST := SECOND;
 15 SECOND := TEMP;
 16 DBMS_OUTPUT.PUT_LINE(TEMP);
 17 END LOOP;
 18 END;
 19
SERIES:
0
1
1
2
3
5
PL/SQL procedure successfully completed.
```

```
SQL>
               CREATE OR REPLACE PROCEDURE INSERTUSER
        (ID IN NUMBER,
NAME IN VARCHAR2)
  2
  3
 4
         IS
 5
         BEGIN
 6
         INSERT INTO SAILOR VALUES(ID, NAME);
         DBMS_OUTPUT.PUT_LINE('RECORD INSERTED SUCCESSFULLY');
 7
 8
 9
Procedure created.
SQL> DECLARE
 2
     CNT NUMBER;
     BEGIN
 4 INSERTUSER(101,'NARASIMHA');
5 SELECT COUNT(*) INTO CNT FROM SAILOR;
    DBMS_OUTPUT.PUT_LINE(CNT||' RECORD IS INSERTED SUCCESSFULLY');
  6
  7 END;
 8 /
RECORD INSERTED SUCCESSFULLY
3 RECORD IS INSERTED SUCCESSFULLY
PL/SQL procedure successfully completed.
SQL> DROP PROCEDURE insertuser;
Procedure dropped.
```