CREATE TABLE STUDENTS(  
 GRADE\_NUM NUMBER(10) NOT NULL PRIMARY KEY,  
 STU\_FNAME VARCHAR(25) NOT NULL,  
 STU\_LNAME VARCHAR(25) NOT NULL,  
 STU\_ADDRESS VARCHAR(50) NOT NULL,  
 STU\_CITY VARCHAR(20) NOT NULL,  
 STU\_PROVINCE VARCHAR(20) NOT NULL,  
 STU\_POSTAL\_CODE VARCHAR(10) NOT NULL,  
 ADVISOR\_ID NUMBER(10) NOT NULL  
);  
  
INSERT INTO STUDENTS VALUES(1, 'John', 'Smith', '123 Main Street', 'Toronto', 'Ontario', 'M1M 1M1', 101);  
INSERT INTO STUDENTS VALUES(2, 'Jane', 'Doe', '456 Main Street', 'Toronto', 'Ontario', 'M1M 1M1', 102);  
  
  
  
*/\*  
4. Write a PL/SQL code that includes EXCEPTION section and handles an exception using a  
variable declared in the code.  
write a PL/SQL code to calculate the total number of the students.  
if the student does not exist, write an exception for it.  
\*/*declare  
 ct number;  
 invalid\_id exception;  
begin  
 select *count*(*\**) into ct from students;  
 DBMS\_OUTPUT.*PUT\_LINE*('There are ' || ct || ' students');  
 DBMS\_OUTPUT.*PUT\_LINE*('No exception');  
exception  
 when invalid\_id then  
 DBMS\_OUTPUT.*PUT\_LINE*('Student does not exist');  
end;  
  
  
*/\*  
5. Write a PL/SQL code that declares a cursor and utilizes this cursor in a loop instruction to  
implement appropriate action.  
\*/*declare  
 cursor c1 is  
 select STU\_FNAME, STU\_LNAME from students;  
 v1 varchar2(20);  
 v2 varchar2(20);  
begin  
 open c1;  
 DBMS\_OUTPUT.*PUT\_LINE*('Registered Students are: ');  
 loop  
 fetch c1 into v1, v2;  
 DBMS\_OUTPUT.*PUT\_LINE*(v1 || ' ' || v2);  
 exit when c1%notfound;  
 end loop;  
close c1;  
end;  
  
  
  
*/\*  
6. Write a PL/SQL procedure with parameters to select the students' name by an specific advisor  
Also write the anonymous block that calls this procedure.  
\*/*create or replace procedure *procedure\_with\_parameters* (p1 number)  
is  
 adv\_id number;  
 student\_fname varchar2(20);  
 student\_lname varchar2(20);  
begin  
 DBMS\_OUTPUT.*PUT\_LINE*('Students of advisor ' || p1 || ' are: ');  
 select ADVISOR\_ID into adv\_id from students where ADVISOR\_ID = p1;  
 select STU\_FNAME into student\_fname from students where ADVISOR\_ID = p1;  
 select STU\_LNAME into student\_lname from students where ADVISOR\_ID = p1;  
 dbms\_output.*put\_line*(student\_fname || ' ' || student\_lname);  
 exception  
 when no\_data\_found then  
 dbms\_output.*put\_line*('No students found');  
end;  
  
  
*-- write the anonymous block that calls this procedure*begin  
 *procedure\_with\_parameters*(101);  
end;