EXPERIMENT 5

5) i)Creation of simple PL/SQL program which includes declaration section, executable section and exception –Handling section (Ex. Student marks can be selected from the table and printed for those who secured first class and an exception can be raised if no records were found)

ii)Insert data into student table and use COMMIT, ROLLBACK and SAVEPOINT in PL/SQL block.

Create table student (sid number(10), sname varchar2(30), sclass varchar2(20));
Program:
```
Declare
        stu_id number;
        stu_name varchar(20);
        cursor stu_cur is
        select sid,sname
        from student
        where sclass='first';
Begin
        Open stu_cur;
        Loop
                fetch stu_cur into stu_id,stu_name;
        exit when stu_cur%notfound;
        dbms_output.put_line('student_id: '|| stu_id || 'student_name:'|| stu_name);
        end loop;
        close stu_cur;
end;
/
```
Output:
student_id: 1student_name:ramesh
student_id: 2student_name:krishna
student_id: 5student_name:kumar

PL/SQL procedure successfully completed.

5 ii) Insert data into student table and use COMMIT, ROLLBACK and SAVEPOINT in PL/SQL block.

Create table stu(name varchar(10),branch varchar(10));

Insert into stu values('ramesh','cse');
Savepoint h;
Savepoint created

SQL> set serveroutput on;

SQL> begin
savepoint g;
insert into stu values('raju','cse');
exception
when dup_val_on_index then
rollback to g;
commit;
end;
/
SQL>Rollback to h;

Rollback completed