```
DECLARE
    x number:= 8; -- Global Variable

BEGIN
    DBMS_OUTPUT.PUT_LINE('x value is:'||x);
        DECLARE
            y number:= 3; -- Local Variable
            z number:=0; -- Local Variable
        BEGIN
            DBMS_OUTPUT.PUT_LINE('y value is:'||y);
            z := x+y;
            DBMS_OUTPUT.PUT_LINE('z value is :'||z);
        END;
END;
```

Script Output

Task completed in 0.199 seconds

```
x value is:8
y value is:3
z value is :11
```

2nd

```
declare
   v_Student_name students.st_name%type;
   v_DoB students.dob%type;
   v_Project_id project.project_id%type;
   v_Project_Name project.project_name%type;
   v_Project_duration project.duration%type;
   v_Project_fee project.fees%type;
   v_dept_id department.dept_id%type;
   v_dept_name department.dept_name%type;
   v_Complete_intime student_project_assignment.completion_intime%type;
   v_age number;
```

```
begin
   select s.st_name,s.dob,
      sp.project_id,sp.project_name,sp.duration,sp.fees,
      d.dept_id,d.dept_name,
      spa.completion_intime ,trunc((sysdate-dob)/365.5)
      into
      v_Student_name,v_DoB,v_Project_id,v_Project_Name,v_Project_duration,
      v_Project_fee,v_dept_id,v_dept_name,v_Complete_intime,v_age
      from department d, students s, project sp, student_project_assignment spa
      where d.dept_id = s.dept_id
      and s.st_id = spa.st_id
      and sp.project_id = spa.project_id
      and s.st_id = :k;

      dbms_output.put_line('Student name is '||' '||v_Student_name);
      dbms_output.put_line('Student Date Of Birth '||' '||v_DoB);
      dbms_output.put_line('Student Project Id'||' '||v_Project_id);
      dbms_output.put_line('Project Name'||' '||v_Project_Name);
      dbms_output.put_line('Project Fees'||' '||v_Project_fee);
      dbms_output.put_line('Dept Id'||' '||v_dept_id);
      dbms_output.put_line('Dept Name'||' '||v_dept_name);
      dbms_output.put_line('Completion In Time'||' '||v_Complete_intime);
      dbms_output.put_line('Date'||' '||sysdate);
      dbms_output.put_line('Age is '||' '||v_age);
end;
```

```
    v_DoB students.dob%type;
    v_Project_id project.project_id%type;
    v_Project_Name project.project_name%type;
    v_Project_duration project.duration%type;
    v_Project_fee project.fees%type;
    v_dept_id department.dept_id%type;
    v_dept_name department.dept_name%type;
    v_Complete_intime student_project_assignment.completion_intir
    v_age number;

begin
    select s.st_name,s.dob,
        sp.project_id,sp.project_name,sp.duration,sp.fees,
```

Script Output

Task completed in 0.081 seconds

```
Student name is  John
Student Date Of Birth  12-02-98
Student Project Id 124
Project Name Market Research
Project Fees 3000
Dept Id 101
Dept Name Engineering
Completion In Time Completed
Date 22-06-23
Age is  25
```

```
--============================================================
declare
    today_date varchar2(30);
    today_name varchar2(30);
    this_month varchar2(30);
    this_year varchar2(30);
begin
    select to_char(sysdate,'DD') into today_date from dual;
    dbms_output.put_line('Today day is '||' '||today_date);
    select to_char(sysdate,'day') into today_name from dual;
    dbms_output.put_line('Today Name is'||' '||today_name);
    select to_char(sysdate,'Month') into this_month from dual;
    dbms_output.put_line('This Month name is '||' '||this_month);
    select to_char(sysdate,'YYYY') into this_year from dual;
    dbms_output.put_line('This year is'||' '||this_year);
end;
/
```

Script Output

Task completed in 0.071 seconds

```
Today day is  22
Today Name is thursday
This Month name is  June
This year is 2023
```

PL/SQL procedure successfully completed.

```
declare
v_ename emp.ename%type;
v_sal emp.sal%type;
v_tno emp.deptno%type;
begin
 select ename,sal,deptno into v_ename,v_sal,v_tno from emp where deptno=&deptno;

 dbms_output.put_line(v_ename);
 dbms_output.put_line(v_sal);
 dbms_output.put_line(v_tno);
 end;
 /
```

Script Output

Task completed in 4.713 seconds

```
dbms_output.put_line(v_ename);
dbms_output.put_line(v_sal);
dbms_output.put_line(v_tno);
end;
Error report -
ORA-01422: exact fetch returns more than requested number of rows
ORA-06512: at line 6
01422. 00000 -  "exact fetch returns more than requested number of rows"
*Cause:    The number specified in exact fetch is less than the rows returned.
*Action:   Rewrite the query or change number of rows requested
```

```
--=========================================================
declare
    l_string varchar2(200) := 'Hello';
    l_new_string varchar2(200) ;
begin
    l_new_string := replace (l_string,'Hello','Hi');
    dbms_output.put_line(l_new_string);
end;

/
--=========================================================
```

Script Output

Task completed in 0.061 seconds

```
Hi


PL/SQL procedure successfully completed.
```

```
declare
    v_st_id students.st_id%type;
begin
    select st_id into v_st_id from students
    where st_id = :n;

    dbms_output.put_line(v_st_id);
    exception
        when no_data_found then
        dbms_output.put_line('There is no data for your selection');
        when too_many_rows then
        dbms_output.put_line('The Query you written is returning more then one row');
        when others then
        dbms_output.put_line(SQLERRM);
end;
/
```

Script Output

Task completed in 0.089 seconds

```
There is no data for your selection


PL/SQL procedure successfully completed.
```