1
```
declare
r int;
a float;

begin
r:=10;
a:=3.14*r*r;
dbms_output.put_line('Area: 'lla);
end;
```

Employee Table
```
create table employee (
    emp_id varchar(5),
    emp_name varchar(25),
    emp_salary number
);
INSERT INTO EMPLOYEE VALUES('E01', 'ABHINAV',7500);
INSERT INTO EMPLOYEE VALUES('E02', 'ABHAY',8000);
INSERT INTO EMPLOYEE VALUES('E03', 'DIKSHA',6500);
INSERT INTO EMPLOYEE VALUES('E04', 'BINAY',9500);
INSERT INTO EMPLOYEE VALUES('E05', 'JAYESH',4500);
```

2
```
declare
name varchar2(25);
salary number;

begin
select emp_name, emp_salary into name,
salary from employee where emp_id='E01';
dbms_output.put_line('Name: 'llname);
dbms_output.put_line('Salary: 'llsalary);
end;
```

3
```
declare
name employee.emp_name%type;
salary employee.emp_salary%type;

begin
select emp_name, emp_salary into name,
salary from employee where emp_id='E01';
dbms_output.put_line('Name: 'llname);
dbms_output.put_line('Salary: 'llsalary);
end;
```

4
```
declare
```

```
a int;
b int;
num_small int;
num_large int;

begin
a:=5;
b:=6;
if(a>=b)
then
num_small:=b;
num_large:=a;
else
num_small:=a;
num_large:=b;
end if;
dbms_output.put_line('Num_small: 'IInum_small);
dbms_output.put_line('Num_large: 'IInum_large);
end;
```

5
```
declare
a int;

begin
a:=5;
if(a>0)
then dbms_output.put_line('Hello');
end if;
end;
```

6
```
declare
salary employee.emp_salary%type;

begin
select emp_salary into salary from employee where emp_id='E04' AND emp_salary
>=3000;
salary:=salary+500;
dbms_output.put_line('Salary: 'IIsalary);

exception
when no_data_found then
dbms_output.put_line('No data found');
when others then
dbms_output.put_line('Error');
end;
```

7
```
declare
```

```
a int;
r int;

begin
a:=8;
r:=MOD(a,2);
if(r=0)
then
dbms_output.put_line('Number is even');
else
dbms_output.put_line('Number is odd');
end if;
end;
```

8
```
declare
id employee.emp_id%type;
salary employee.emp_salary%type;

begin
id:= '&id';
select emp_salary into salary from employee where emp_id=id;
if(salary>=5000) then
salary:=salary+(0.125*salary);
else
salary:=salary+(0.11*salary);
end if;
dbms_output.put_line('Salary: 'IIsalary);
exception
when no_data_found then
dbms_output.put_line('No data found');
when others then
dbms_output.put_line('Error');
end;
```

9
```
declare
begin
INSERT INTO EMPLOYEE VALUES('E05','Bhairav',5000);
dbms_output.put_line('Row inserted.');
exception
when dup_val_on_index then
dbms_output.put_line('Duplicate id detected.');
end;
```

10
```
declare
a int;
b int;
```

```
begin
a:=1;
b:=5;

while(b>0)
loop
a:=a*b;
b:=b-1;
end loop;
dbms_output.put_line('Factorial: 'lla);
end;
```