

Experiment No. 2

```
create type Person as Object(
```

```
    fname varchar(40),
```

```
    lname varchar(40),
```

```
    dob Date,
```

```
    member function fullname return varchar,
```

```
    member function ondate return date
```

```
)Not Final;
```

```
--implementation of methods for the Person type--
```

```
Create or Replace type body Person as
```

```
    Member function fullname Return varchar is
```

```
    Begin
```

```
        Return fname || ' ' || lname;
```

```
    End fullname;
```

```
    Member function ondate Return Date as
```

```
    Begin
```

```
        Return dob;
```

```
    End ondate;
```

```
End;
```

```
//Create subtype EmpObj
```

```
Create type EmpObj under Person(  
    emp_id number,  
    job varchar(50),  
    sal Number,  
    da Number,  
    doj Date,  
    Overriding Member Function ondate return date,  
    Member function Earn return Number  
);
```

```
Drop type EmpObj force;  
Drop type Person force;
```

--implementation of methods for the EmpObj

Create or Replace type body EmpObj as

Overriding Member function ondate return Date Is

Begin

Return doj;

End ondate;

Member function earn return Number Is

Begin

Return sal+da;

End earn;

End;

Create table Employee of EmpObj(
 PRIMARY KEY(fname , lname)

);

drop table Employee

Create table Employee of EmpObj(

emp_id PRIMARY KEY

);

//Insert Data//

-- Inserting data into the Employee table

-- Corrected Inserting data into the Employee table

INSERT INTO Employee VALUES (

EmpObj('Prachi', 'Patil', DATE '2003-01-01',1, 'Software Engineer', 50000, 10000, DATE '2024-01-01')

);

INSERT INTO Employee VALUES (

EmpObj('Komal', 'Jadhav', DATE '2002-05-15',2, 'Data Analyst', 60000, 8000, DATE '2023-06-15')

);

INSERT INTO Employee VALUES (

EmpObj('Aishwarya', 'Pavane', DATE '2002-05-05',3,'Computer Engineer', 55000, 8000, DATE '2023-06-05')

);

Select emp_id, e.fullname() as Employee_fullName,e.ondate() as Employee_dateOfJoining,

e.dob as employee_dateOfBirth, e.earn() as EMPLOYEE_earning

From Employee e;

Select *

from Employee;

B27_ads.sql × B27_exp1.2.sql × B27_exp1.2.sql × B27_exp2.2.sql × Welcome Page × B27_exp2 × B27_experiment2 ×

Worksheet Query Builder

```
INSERT INTO Employee VALUES (
    EmpObj( 'Prachi', 'Patil', DATE '2003-01-01',1, 'Software Engineer', 50000, 10000, DATE '2024-01-01')
);

INSERT INTO Employee VALUES (
    EmpObj('Komal', 'Jadhav', DATE '2002-05-15',2, 'Data Analyst', 60000, 8000, DATE '2023-06-15')
);

INSERT INTO Employee VALUES (
    EmpObj('Aishwarya', 'Pavane', DATE '2002-05-05',3,'Computer Engineer', 55000, 8000, DATE '2023-06-05')
);

Select emp_id, e.fullname() as Employee_fullName,e.ondate() as Employee_dateOfJoining,
    e.dob as employee_dateOfBirth, e.earn() as Employee_earning
From Employee e;

Select *
from Employee;
```

Script Output × Query Result ×

SQL | All Rows Fetched: 3 in 0.041 seconds

	EMP_ID	EMPLOYEE_FULLNAME	EMPLOYEE_DATEOFJOINING	EMPLOYEE_DATEOFBIRTH	EMPLOYEE_EARNING
1	1	Prachi Patil	01-01-24	01-01-03	60000
2	2	Komal Jadhav	15-06-23	15-05-02	68000
3	3	Aishwarya Pavane	05-06-23	05-05-02	63000