Procedure GetFirstAndLastNames

As
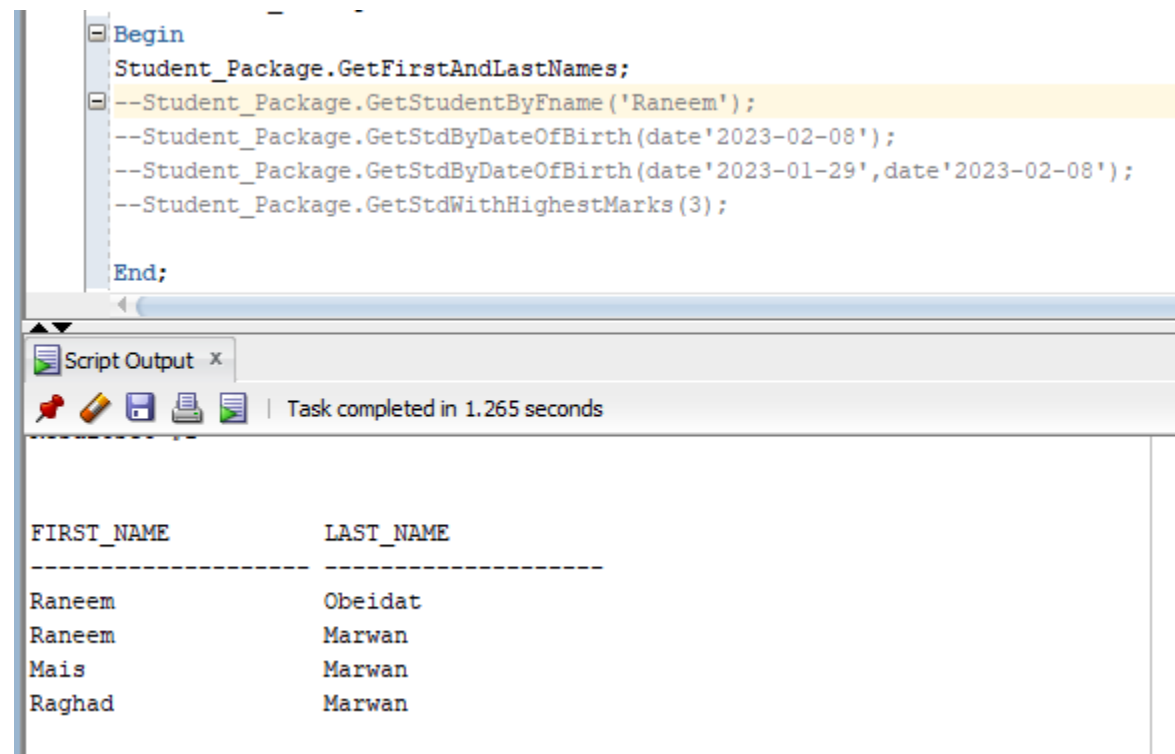
curs_All SYS_REFCURSOR;

Begin

open curs_All for select First_Name ,last_name from std_Student;

dbms_sql.return_result(curs_All);

End GetFirstAndLastNames;

```
Begin
  Student_Package.GetFirstAndLastNames;
  --Student_Package.GetStudentByFname('Raneem');
  --Student_Package.GetStdByDateOfBirth(date'2023-02-08');
  --Student_Package.GetStdByDateOfBirth(date'2023-01-29',date'2023-02-08');
  --Student_Package.GetStdWithHighestMarks(3);

  End;
```

Script Output x

Task completed in 1.265 seconds

```
FIRST_NAME            LAST_NAME
-------------------- --------------------
Raneem                Obeidat
Raneem                Marwan
Mais                  Marwan
Raghad                Marwan
```

2. procedure GetStudentByFname(fname in std_Student.First_Name%type)

As
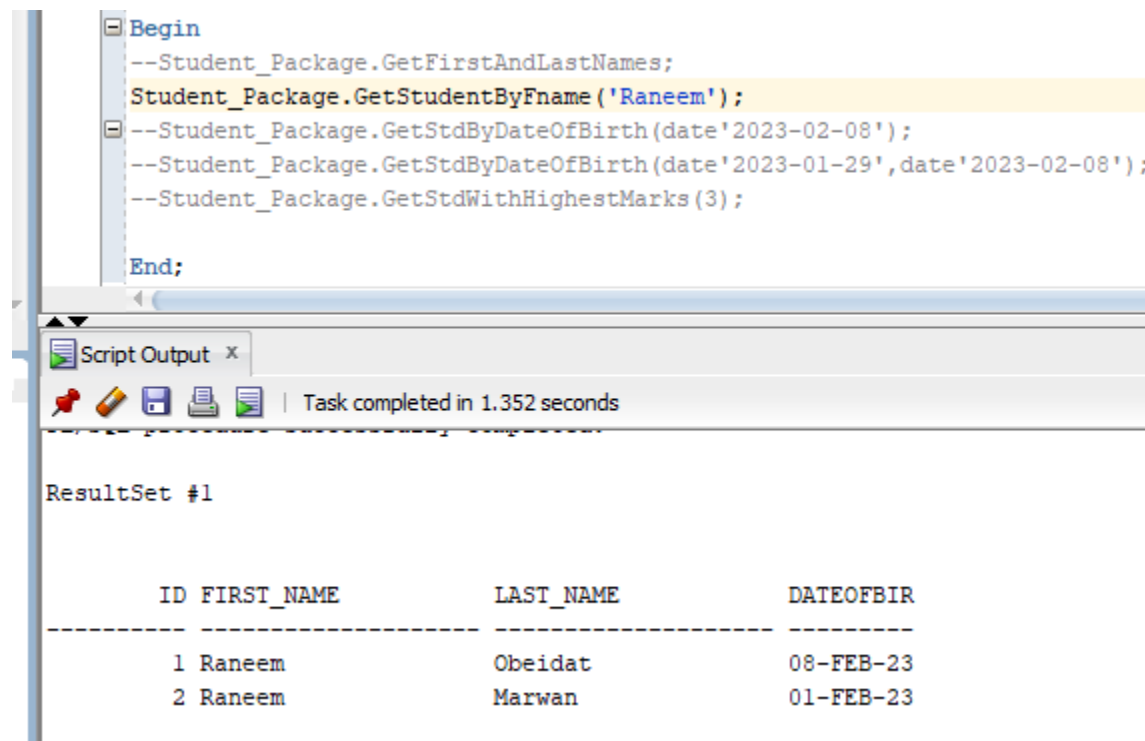
curs_item SYS_REFCURSOR;

Begin

open curs_item for select * from std_Student where lower(First_Name)=fname or upper (First_Name)=fname or INITCAP(First_Name)=fname;

dbms_sql.return_result(curs_item);

End GetStudentByFname;

```
Begin
  --Student_Package.GetFirstAndLastNames;
  Student_Package.GetStudentByFname('Raneem');
  --Student_Package.GetStdByDateOfBirth(date'2023-02-08');
  --Student_Package.GetStdByDateOfBirth(date'2023-01-29',date'2023-02-08');
  --Student_Package.GetStdWithHighestMarks(3);

End;
```

Script Output ×

Task completed in 1.352 seconds

ResultSet #1

```
        ID FIRST_NAME           LAST_NAME            DATEOFBIR
---------- -------------------- -------------------- ---------
         1 Raneem               Obeidat              08-FEB-23
         2 Raneem               Marwan               01-FEB-23
```

3. procedure GetStdByDateOfBirth(BirthDate in std_Student.DateOfBirth%type)
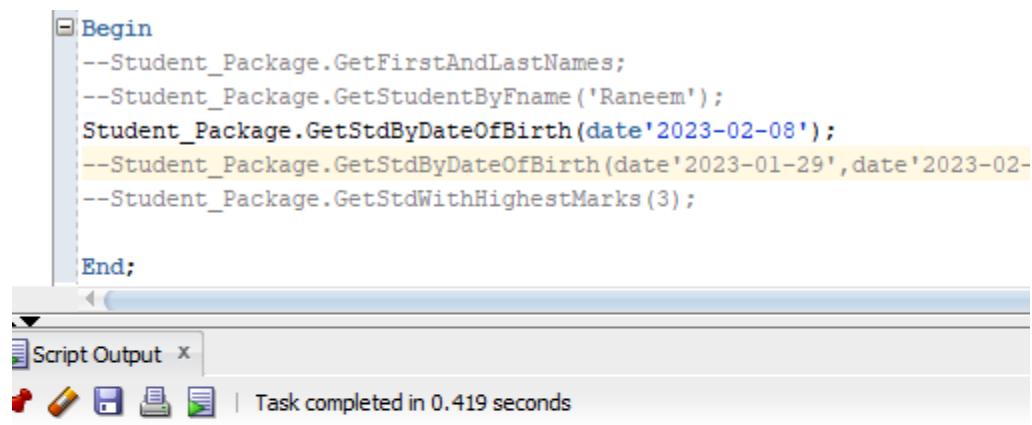
As

curs_item SYS_REFCURSOR;

Begin

open curs_item for select * from std_Student where DateOfBirth = BirthDate;

dbms_sql.return_result(curs_item);

End GetStdByDateOfBirth;

```
Begin
  --Student_Package.GetFirstAndLastNames;
  --Student_Package.GetStudentByFname('Raneem');
  Student_Package.GetStdByDateOfBirth(date'2023-02-08');
  --Student_Package.GetStdByDateOfBirth(date'2023-01-29',date'2023-02-
  --Student_Package.GetStdWithHighestMarks(3);

End;
```

Script Output ×

Task completed in 0.419 seconds

L/SQL procedure successfully completed.

esultSet #1

```
        ID FIRST_NAME            LAST_NAME             DATEOFBIR
---------- --------------------- --------------------- ---------
         1 Raneem                Obeidat               08-FEB-23
```

4. procedure GetStdByInterval(FirstDate in std_Student.DateOfBirth%type , EndDate in std_Student.DateOfBirth%type)
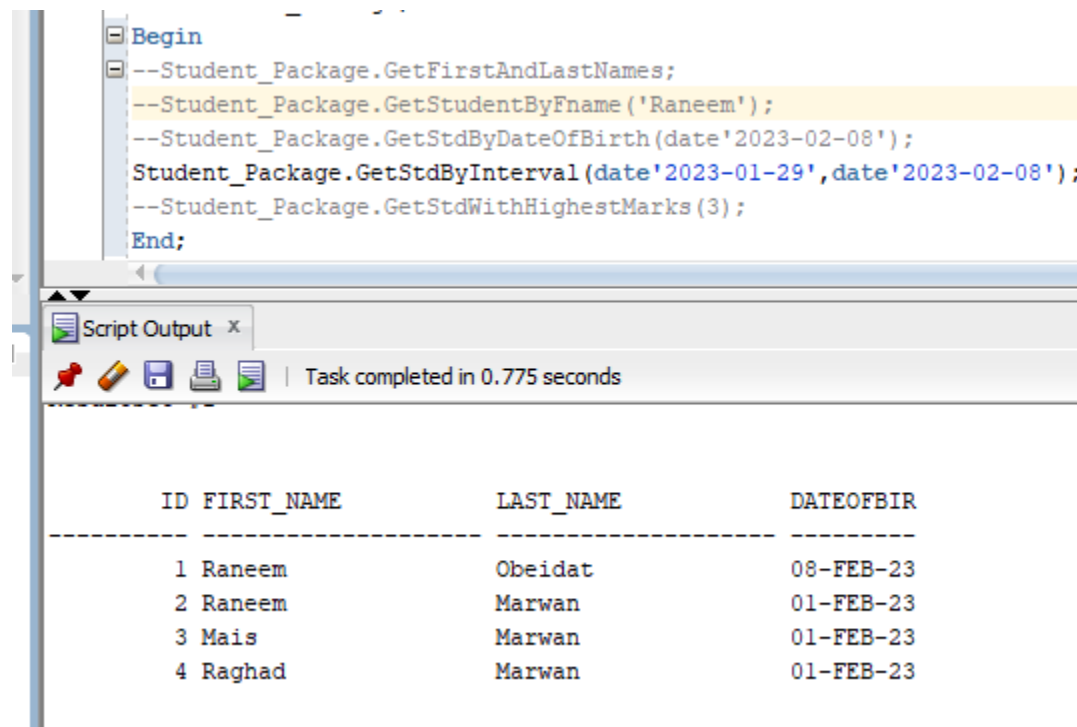
As

curs_item SYS_REFCURSOR;

Begin

open curs_item for select * from std_Student where DateOfBirth >= FirstDate and DateOfBirth <=EndDate;

dbms_sql.return_result(curs_item);

End GetStdByInterval;

```
Begin
--Student_Package.GetFirstAndLastNames;
--Student_Package.GetStudentByFname('Raneem');
--Student_Package.GetStdByDateOfBirth(date'2023-02-08');
Student_Package.GetStdByInterval(date'2023-01-29',date'2023-02-08');
--Student_Package.GetStdWithHighestMarks(3);
End;
```

Script Output ×

Task completed in 0.775 seconds

```
        ID FIRST_NAME           LAST_NAME            DATEOFBIR
---------- -------------------- -------------------- ---------
         1 Raneem               Obeidat              08-FEB-23
         2 Raneem               Marwan               01-FEB-23
         3 Mais                 Marwan               01-FEB-23
         4 Raghad               Marwan               01-FEB-23
```

5. Procedure GetStdWithHighestMarks(num in int)

As

curs_item SYS_REFCURSOR;

Begin

open curs_item for select StudentCourse.markOfstd,std_Student.First_Name

from StudentCourse Inner Join std_Student on StudentCourse.StdID = std_Student.ID ORDER BY markOfstd DESC FETCH FIRST num ROWS ONLY;

End GetStdWithHighestMarks;