

Question 1.

```

Homework5_LikithVinayakaGiridhar.sql - localhost.HR (sa) 6 ×

3 --- ###Question 1.###
4 CREATE PROCEDURE EmployeeProfileReport
5     @Salary DECIMAL(10,2)
6 AS
7 BEGIN
8     SET NOCOUNT ON;
9
10    --- ###Question 1. (A)###
11    CREATE TABLE #EmployeeProfileReport (
12        EmployeeId INT NOT NULL,
13        FirstName VARCHAR(50) NOT NULL,
14        LastName VARCHAR(50) NOT NULL,
15        HireDate DATE NOT NULL,
16        Salary DECIMAL(10,2) NOT NULL,
17        departmentId INT NOT NULL,
18        DepartmentName VARCHAR(50) NOT NULL,
19        JobId INT NOT NULL,
20        JobTitle VARCHAR(50) NOT NULL,
21        CONSTRAINT PK_EmployeeProfileReport PRIMARY KEY (EmployeeId),
22        CONSTRAINT UQ_EmployeeProfileReport_Name_HireDate UNIQUE (FirstName, LastName, HireDate),
23    );
24    CREATE NONCLUSTERED INDEX IX_EmployeeProfileReport_DepartmentJob
25        ON #EmployeeProfileReport (departmentId, JobId);
26
27    --- Case 1
28    INSERT INTO #EmployeeProfileReport (EmployeeId, FirstName, LastName, HireDate, Salary, departmentId, DepartmentName, JobId, JobTitle)
29    SELECT e.EmployeeId, e.FirstName, e.LastName, e.HireDate, e.Salary, d.DepartmentId, d.DepartmentName, j.JobId, j.JobTitle
30    FROM Employees e
31    INNER JOIN Departments d ON e.DepartmentId = d.DepartmentId
32    INNER JOIN Jobs j ON e.JobId = j.JobId
33    WHERE e.Salary > @Salary;
34
35    --- ###Question 1. (B)###
36    --- Select data from temporary table
37    SELECT * FROM #EmployeeProfileReport;
38
39    END;
40    GO

```

Messages

16:31:39 Started executing query at Line 3
Commands completed successfully.
Total execution time: 00:00:00.012

Question 1(A).

```

Homework5_LikithVinayakaGiridhar.sql - localhost.HR (sa) 6 ×

3 --- ###Question 1.###
4 CREATE PROCEDURE EmployeeProfileReport
5     @Salary DECIMAL(10,2)
6 AS
7 BEGIN
8     SET NOCOUNT ON;
9
10    --- ###Question 1. (A)###
11    CREATE TABLE #EmployeeProfileReport (
12        EmployeeId INT NOT NULL,
13        FirstName VARCHAR(50) NOT NULL,
14        LastName VARCHAR(50) NOT NULL,
15        HireDate DATE NOT NULL,
16        Salary DECIMAL(10,2) NOT NULL,
17        departmentId INT NOT NULL,
18        DepartmentName VARCHAR(50) NOT NULL,
19        JobId INT NOT NULL,
20        JobTitle VARCHAR(50) NOT NULL,
21        CONSTRAINT PK_EmployeeProfileReport PRIMARY KEY (EmployeeId),
22        CONSTRAINT UQ_EmployeeProfileReport_Name_HireDate UNIQUE (FirstName, LastName, HireDate),
23    );
24    CREATE NONCLUSTERED INDEX IX_EmployeeProfileReport_DepartmentJob
25        ON #EmployeeProfileReport (departmentId, JobId);
26
27    --- Case 1
28    INSERT INTO #EmployeeProfileReport (EmployeeId, FirstName, LastName, HireDate, Salary, departmentId, DepartmentName, JobId, JobTitle)
29    SELECT e.EmployeeId, e.FirstName, e.LastName, e.HireDate, e.Salary, d.DepartmentId, d.DepartmentName, j.JobId, j.JobTitle
30    FROM Employees e
31    INNER JOIN Departments d ON e.DepartmentId = d.DepartmentId
32    INNER JOIN Jobs j ON e.JobId = j.JobId
33    WHERE e.Salary > @Salary;
34
35    --- ###Question 1. (B)###
36    --- Select data from temporary table
37    SELECT * FROM #EmployeeProfileReport;
38
39    END;
40    GO

```

Messages

16:31:39 Started executing query at Line 3
Commands completed successfully.
Total execution time: 00:00:00.012

Question 1(B).

```

Azure Data Studio  File  Edit  View  Window  Help
Mon 10 Apr 16:34
Homework5_LikithVinayakaGiridhar.sql - localhost.HR (sa)
Run Cancel Disconnect Change Connection HR
Estimated Plan Enable Actual Plan Enable SQLCMD Export as Notebook
CONNECTIONS
  SERVERS
    localhost, <default> (sa)
      Databases
      Security
      Server Objects
  ...
  Homework5_LikithVinayakaGiridhar.sql - localhost.HR (sa) 6
  ...
  9
  10  --- ###Question 1. (A)###
  11  CREATE TABLE #EmployeeProfileReport (
  12    EmployeeId INT NOT NULL,
  13    FirstName VARCHAR(50) NOT NULL,
  14    LastName VARCHAR(50) NOT NULL,
  15    HireDate DATE NOT NULL,
  16    Salary DECIMAL(10,2) NOT NULL,
  17    departmentId INT NOT NULL,
  18    DepartmentName VARCHAR(50) NOT NULL,
  19    JobId INT NOT NULL,
  20    JobTitle VARCHAR(50) NOT NULL,
  21    CONSTRAINT PK_EmployeeProfileReport PRIMARY KEY (EmployeeId),
  22    CONSTRAINT UQ_EmployeeProfileReport_Name_HireDate UNIQUE (FirstName, LastName, HireDate),
  23  );
  24  CREATE NONCLUSTERED INDEX IX_EmployeeProfileReport_DepartmentJob
  25  ON #EmployeeProfileReport (departmentId, JobId);
  26
  27  -- Case 1
  28  INSERT INTO #EmployeeProfileReport (EmployeeId, FirstName, LastName, HireDate, Salary, departmentId, DepartmentName, JobId, JobTitle)
  29  SELECT e.EmployeeId, e.FirstName, e.LastName, e.HireDate, e.Salary, d.DepartmentId, d.DepartmentName, j.JobId, j.JobTitle
  30  FROM Employees e
  31  INNER JOIN Departments d ON e.departmentId = d.departmentId
  32  INNER JOIN Jobs j ON e.JobId = j.JobId
  33  WHERE e.Salary > @Salary;
  34
  35  --- ###Question 1. (B)###
  36  -- Select data from temporary table
  37  SELECT * FROM #EmployeeProfileReport;
  38
  39 END;
  40 GO
  
```

Messages

16:31:39 Started executing query at Line 3
Commands completed successfully.
Total execution time: 00:00:00.012

AZURE

Ln 12, Col 33 Spaces: 4 UTF-8 LF SQL 0 rows Choose SQL Language 00:00:00 localhost : HR

Question 1 (C).

Case (i):

```

Azure Data Studio  File  Edit  View  Window  Help
Mon 10 Apr 16:35
Homework5_LikithVinayakaGiridhar.sql - localhost.HR (sa)
Run Cancel Disconnect Change Connection HR
Estimated Plan Enable Actual Plan Enable SQLCMD Export as Notebook
CONNECTIONS
  SERVERS
    localhost, <default> (sa)
      Databases
      Security
      Server Objects
  ...
  Homework5_LikithVinayakaGiridhar.sql - localhost.HR (sa) 6
  ...
  35  --- ###Question 1. (B)###
  36  -- Select data from temporary table
  37  SELECT * FROM #EmployeeProfileReport;
  38
  39 END;
  40 GO
  41
  42  -- Execute stored procedure for Salary input parameter value of 85000
  43  EXEC EmployeeProfileReport @Salary = 85000;
  44  DROP PROCEDURE EmployeeProfileReport;
  45
  46  --- ###Question 1. (C)###
  47
  48  --- ##Case 1
  49  EXECUTE EmployeeProfileReport 85000;
  
```

Results

| EmployeeId | FirstName | LastName | HireDate | Salary | departmentId | DepartmentName | JobId | JobTitle | |
|------------|-----------|-----------|-----------|------------|--------------|----------------|------------------|----------|------------------------------|
| 1 | 100 | Steve | King | 2009-06-17 | 240000.00 | 9 | Executive | 4 | President |
| 2 | 101 | Neena | Kochhar | 2011-09-21 | 170000.00 | 9 | Executive | 5 | Administration Vice Presi... |
| 3 | 102 | Lex | De Haan | 2015-01-13 | 170000.00 | 9 | Executive | 5 | Administration Vice Presi... |
| 4 | 103 | Alexander | Hunold | 2012-01-03 | 90000.00 | 6 | IT | 9 | Programmer |
| 5 | 108 | Nancy | Greenberg | 2016-08-17 | 120000.00 | 10 | Finance | 7 | Finance Manager |
| 6 | 109 | Daniel | Faviet | 2016-08-16 | 90000.00 | 10 | Finance | 6 | Accountant |
| 7 | 114 | De | Raphaely | 2016-12-07 | 110000.00 | 3 | Purchasing | 14 | Purchasing Manager |
| 8 | 145 | John | Russell | 2018-10-01 | 140000.00 | 8 | Sales | 15 | Sales Manager |
| 9 | 146 | Kare | Partners | 2019-01-05 | 135000.00 | 8 | Sales | 15 | Sales Manager |
| 10 | 176 | Jonatha | Taylor | 2020-03-24 | 85000.00 | 8 | Sales | 16 | Sales Representative |
| 11 | 201 | Michael | Hartstein | 2018-02-17 | 130000.00 | 2 | Marketing | 10 | Marketing Manager |
| 12 | 204 | Herma | Baer | 2016-06-07 | 100000.00 | 7 | Public Relations | 12 | Public Relations Repres... |
| 13 | 205 | Shelley | Higgins | 2016-06-07 | 120000.00 | 11 | Accounting | 2 | Accounting Manager |

AZURE

Ln 49, Col 1 (36 selected) Spaces: 4 UTF-8 LF SQL 13 rows Choose SQL Language 00:00:00 localhost : HR

Case (ii):

Homework5_LikithVinayakaGiridhar.sql - localhost.HR (sa)

Run □ Cancel □ Disconnect □ Change Connection HR □ Estimated Plan □ Enable Actual Plan □ Enable SQLCMD □ Export as Notebook

```
51  ##Case 2
52  ALTER PROCEDURE EmployeeProfileReport
53  @Salary INT
54  AS
55  BEGIN
56      SELECT e.EmployeeId, e.FirstName, e.LastName, e.HireDate, e.Salary, d.DepartmentId, d.DepartmentName, j.JobId, j.JobTitle
57      FROM Employees e
58      JOIN Departments d ON e.DepartmentId = d.DepartmentId
59      JOIN Jobs j ON e.JobId = j.JobId
60      where e.Salary < @Salary;
61  END
62
63  EXECUTE EmployeeProfileReport 85000;
```

Results Messages

| | EmployeeId | FirstName | LastName | HireDate | Salary | DepartmentId | DepartmentName | JobId | JobTitle |
|----|------------|-------------|------------|------------|----------|--------------|----------------|-------|------------------------------|
| 1 | 104 | Bruce | Ernst | 2013-05-21 | 60000.00 | 6 | IT | 9 | Programmer |
| 2 | 105 | David | Austi | 2019-06-25 | 48000.00 | 6 | IT | 9 | Programmer |
| 3 | 106 | Valli | Pataballa | 2020-02-05 | 48000.00 | 6 | IT | 9 | Programmer |
| 4 | 107 | Diana | Lorentz | 2021-02-07 | 42000.00 | 6 | IT | 9 | Programmer |
| 5 | 110 | John | Che | 2019-09-28 | 82000.00 | 10 | Finance | 6 | Accountant |
| 6 | 111 | Ismael | Sciarra | 2019-09-30 | 77000.00 | 10 | Finance | 6 | Accountant |
| 7 | 112 | Jose Manuel | Urma | 2020-03-07 | 78000.00 | 10 | Finance | 6 | Accountant |
| 8 | 113 | Luis | Popp | 2021-12-07 | 69000.00 | 10 | Finance | 6 | Accountant |
| 9 | 115 | Alexander | Khoo | 2017-05-18 | 31000.00 | 3 | Purchasing | 13 | Purchasing Clerk |
| 10 | 116 | Shelli | Baida | 2019-12-24 | 29000.00 | 3 | Purchasing | 13 | Purchasing Clerk |
| 11 | 117 | Sigal | Tobias | 2019-07-24 | 28000.00 | 3 | Purchasing | 12 | Public Relations Represen... |
| 12 | 118 | Guy | Himuro | 2020-11-15 | 26000.00 | 3 | Purchasing | 13 | Purchasing Clerk |
| 13 | 119 | Kare | Colmenares | 2021-08-10 | 25000.00 | 3 | Purchasing | 13 | Purchasing Clerk |
| 14 | 120 | Matthew | Weiss | 2018-07-18 | 80000.00 | 5 | Shipping | 19 | Stock Manager |
| 15 | 121 | Adam | Fripp | 2019-04-10 | 82000.00 | 5 | Shipping | 19 | Stock Manager |

LN 51, Col 1 (382 selected) Spaces: 4 UTF-8 LF SQL 27 rows Choose SQL Language 00:00:00 localhost : HR

Case (iii):

Azure Data Studio File Edit View Window Help

Homework5_LikithVinayakaGiridhar.sql - localhost.HR (sa)

CONNECTIONS

SERVICES

localhost, <default> (sa)

Databases Security Server Objects

Homework5_LikithVinayakaGiridhar.sql - localhost...HR (sa) 6

Users > glikithvinayaka > Documents > Likith > MSBA > Spring 2023 - Semester 1 > Database Foundations for Business Analytics > Assignments > Homework #5 > Homework5_LikithVinayakaGiridhar.sql

Run Cancel Disconnect Change Connection HR Estimated Plan Enable Actual Plan Enable SQLCMD Export as Notebook

```
66 --##Case_3
67 ALTER PROCEDURE EmployeeProfileReport
68 @Salary INT
69 AS
70 BEGIN
71     SELECT e.EmployeeId, e.FirstName, e.LastName, e.HireDate, e.Salary, d.DepartmentId, d.DepartmentName, j.JobId, j.JobTitle
72     FROM Employees e
73     JOIN Departments d ON e.DepartmentId = d.DepartmentId
74     JOIN Jobs j ON e.JobId = j.JobId
75     WHERE e.Salary = @Salary;
76 END
77
78 EXECUTE EmployeeProfileReport 85000;
```

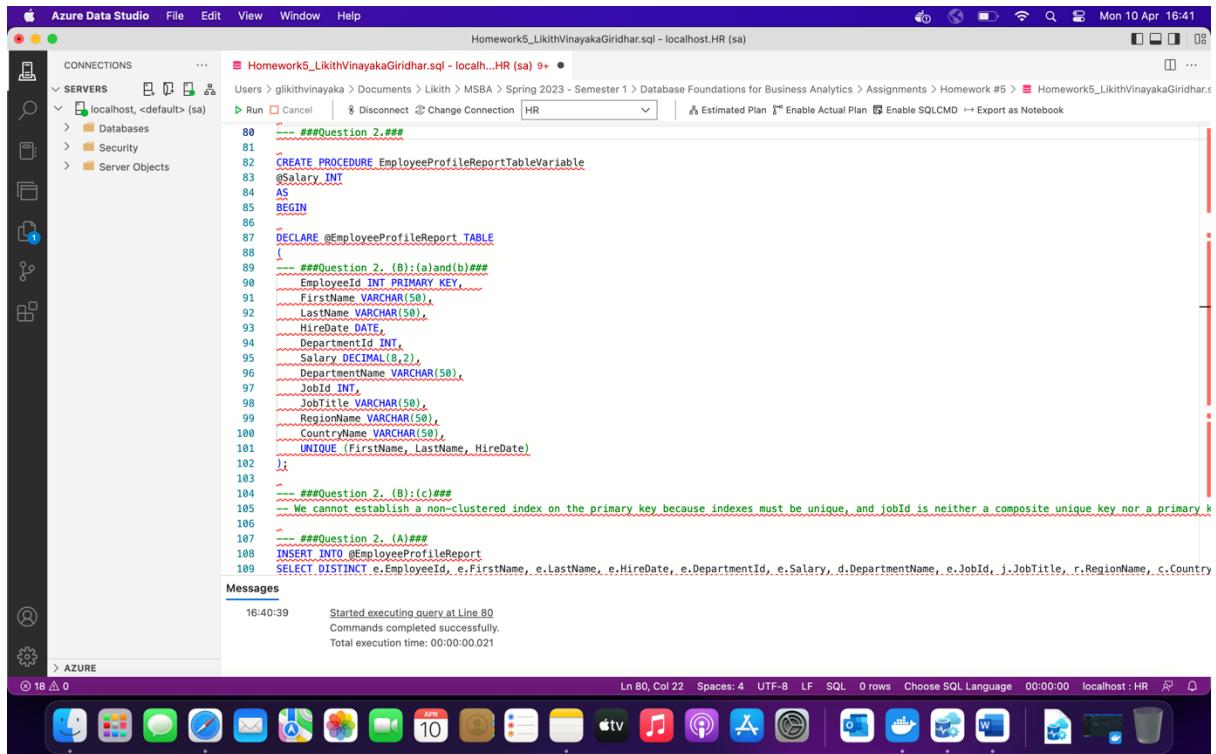
Results Messages

16:38:10 Started executing query at Line 78
(0 rows affected)
(0 rows affected)

AZURE

6 0 Lin 66, Col 1 (382 selected) Spaces: 4 UTF-8 LF SQL 0 rows Choose SQL Language 00:00:00 localhost : HR

Question 2.



```

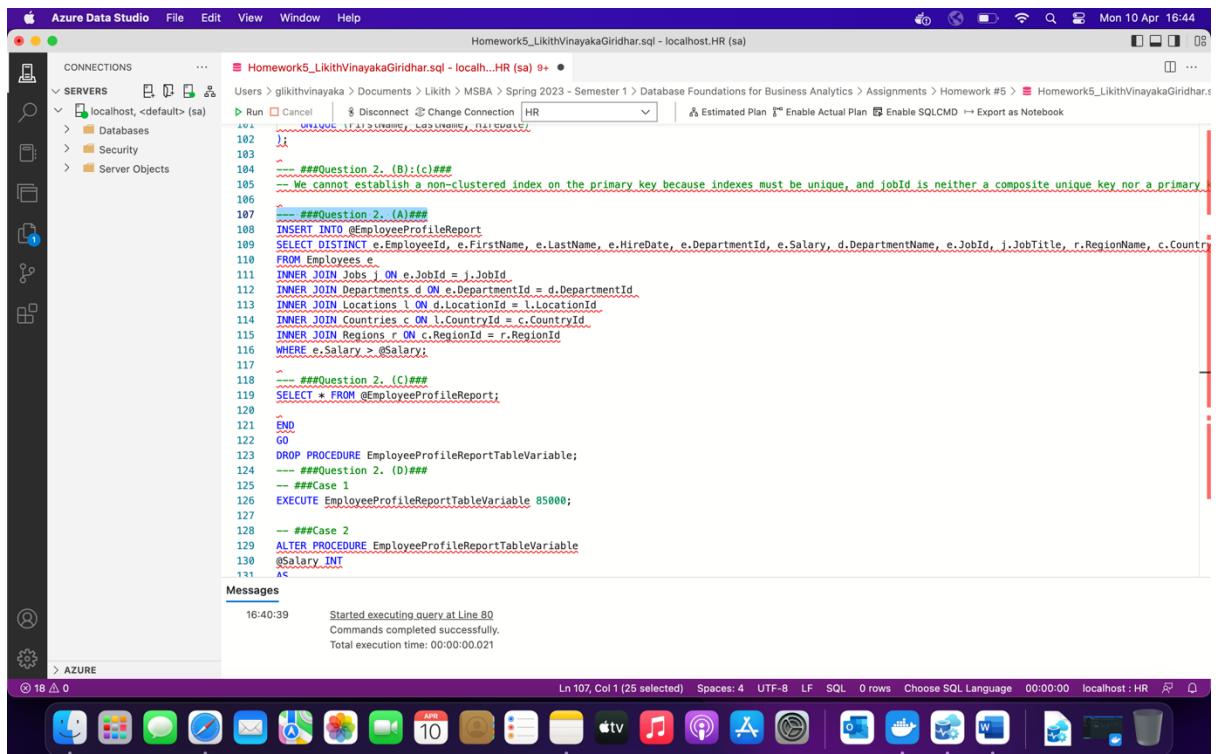
80  --- ###Question 2.###
81
82  CREATE PROCEDURE EmployeeProfileReportTableVariable
83  @Salary INT
84  AS
85  BEGIN
86
87  DECLARE @EmployeeProfileReport TABLE
88  (
89  --- ##Question 2. (B):(a)and(b)##
90  EmployeeId INT PRIMARY KEY,
91  FirstName VARCHAR(50),
92  LastName VARCHAR(50),
93  HireDate DATE,
94  DepartmentId INT,
95  Salary DECIMAL(8,2),
96  DepartmentName VARCHAR(50),
97  JobId INT,
98  JobTitle VARCHAR(50),
99  RegionName VARCHAR(50),
100 CountryName VARCHAR(50),
101 UNIQUE (FirstName, LastName, HireDate)
102 );
103
104  --- ##Question 2. (B):(c)##
105  -- We Cannot establish a non-clustered index on the primary key because indexes must be unique, and jobId is neither a composite unique key nor a primary key.
106
107  --- ##Question 2. (A)##
108  INSERT INTO @EmployeeProfileReport
109  SELECT DISTINCT e.EmployeeId, e.FirstName, e.LastName, e.HireDate, e.DepartmentId, e.Salary, d.DepartmentName, e.JobId, j.JobTitle, r.RegionName, c.Country
110
111  FROM Employees e
112  INNER JOIN Jobs j ON e.JobId = j.JobId
113  INNER JOIN Departments d ON e.DepartmentId = d.DepartmentId
114  INNER JOIN Locations l ON d.LocationId = l.LocationId
115  INNER JOIN Countries c ON l.CountryId = c.CountryId
116  INNER JOIN Regions r ON c.RegionId = r.RegionId
117  WHERE e.Salary > @Salary;
118
119  --- ##Question 2. (C)##
120  SELECT * FROM @EmployeeProfileReport;
121
122  END
123  GO
124  DROP PROCEDURE EmployeeProfileReportTableVariable;
125  --- ##Question 2. (D)##
126  --- ##Case 1
127  EXECUTE EmployeeProfileReportTableVariable 85000;
128
129  --- ##Case 2
130  ALTER PROCEDURE EmployeeProfileReportTableVariable
131  @Salary INT
132  AS
133
134

```

Messages

16:40:39 Started executing query at Line 80
Commands completed successfully.
Total execution time: 00:00:00.021

Question 2(A).



```

101
102  );
103
104  --- ##Question 2. (B):(c)##
105  -- We Cannot establish a non-clustered index on the primary key because indexes must be unique, and jobId is neither a composite unique key nor a primary key.
106
107  --- ##Question 2. (A)##
108  INSERT INTO @EmployeeProfileReport
109  SELECT DISTINCT e.EmployeeId, e.FirstName, e.LastName, e.HireDate, e.DepartmentId, e.Salary, d.DepartmentName, e.JobId, j.JobTitle, r.RegionName, c.Country
110
111  FROM Employees e
112  INNER JOIN Jobs j ON e.JobId = j.JobId
113  INNER JOIN Departments d ON e.DepartmentId = d.DepartmentId
114  INNER JOIN Locations l ON d.LocationId = l.LocationId
115  INNER JOIN Countries c ON l.CountryId = c.CountryId
116  INNER JOIN Regions r ON c.RegionId = r.RegionId
117  WHERE e.Salary > @Salary;
118
119  --- ##Question 2. (C)##
120  SELECT * FROM @EmployeeProfileReport;
121
122  END
123  GO
124  DROP PROCEDURE EmployeeProfileReportTableVariable;
125  --- ##Question 2. (D)##
126  --- ##Case 1
127  EXECUTE EmployeeProfileReportTableVariable 85000;
128
129  --- ##Case 2
130  ALTER PROCEDURE EmployeeProfileReportTableVariable
131  @Salary INT
132  AS
133
134

```

Messages

16:40:39 Started executing query at Line 80
Commands completed successfully.
Total execution time: 00:00:00.021

Question 2(B): (a), (b), (c)

```

86    DECLARE @EmployeeProfileReport TABLE
87    (
88        -- ##Question 2. .(B):(a)and(b)##
89        EmployeeId INT PRIMARY KEY,
90        FirstName VARCHAR(50),
91        LastName VARCHAR(50),
92        HireDate DATE,
93        DepartmentId INT,
94        Salary DECIMAL(8,2),
95        DepartmentName VARCHAR(50),
96        JobId INT,
97        JobTitle VARCHAR(50),
98        RegionName VARCHAR(50),
99        CountryName VARCHAR(50),
100        UNIQUE (FirstName, LastName, HireDate)
101    );
102
103
104    -- ##Question 2. .(B):(c)##
105    -- We cannot establish a non-clustered index on the primary key because indexes must be unique, and jobId is neither a composite unique key
106    -- nor a primary key.
107
108    -- ##Question 2. .(A)##
109    INSERT INTO @EmployeeProfileReport
110    SELECT DISTINCT e.EmployeeId, e.FirstName, e.LastName, e.HireDate, e.DepartmentId, e.Salary, d.DepartmentName, e.JobId, j.JobTitle, r.RegionName, c.CountryName
111    FROM Employees e
112    INNER JOIN Jobs j ON e.JobId = j.JobId
113    INNER JOIN Departments d ON e.DepartmentId = d.DepartmentId
114    INNER JOIN Locations l ON d.LocationId = l.LocationId
115    INNER JOIN Countries c ON l.CountryId = c.CountryId
116
117
118
119
120
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122
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124
125
126
127
128
129
130
131
132
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136

```

Messages

16:40:39 Started executing query at Line 80
Commands completed successfully.
Total execution time: 00:00:00.021

Question 2(C):

```

107
108    -- ##Question 2. .(A)##
109    INSERT INTO @EmployeeProfileReport
110    SELECT DISTINCT e.EmployeeId, e.FirstName, e.LastName, e.HireDate, e.DepartmentId, e.Salary, d.DepartmentName, e.JobId, j.JobTitle, r.RegionName, c.CountryName
111    FROM Employees e
112    INNER JOIN Jobs j ON e.JobId = j.JobId
113    INNER JOIN Departments d ON e.DepartmentId = d.DepartmentId
114    INNER JOIN Locations l ON d.LocationId = l.LocationId
115    INNER JOIN Countries c ON l.CountryId = c.CountryId
116    INNER JOIN Regions r ON c.RegionId = r.RegionId
117    WHERE e.Salary > @Salary;
118
119
120    -- ##Question 2. .(C)##
121    SELECT * FROM @EmployeeProfileReport;
122
123
124
125
126
127
128
129
130
131
132
133
134
135
136

```

Messages

16:47:19 Started executing query at Line 81
Commands completed successfully.
Total execution time: 00:00:00.027

Question 2(D):

Case (i):

```

Azure Data Studio - Homework5_LikithVinayakaGiridhar.sql - localhost.HR (sa)
Mon 10 Apr 16:49

114    INNER JOIN Locations l ON d.LocationId = l.LocationId
115    INNER JOIN Countries c ON l.CountryId = c.CountryId
116    INNER JOIN Regions r ON c.RegionId = r.RegionId
117    WHERE e.Salary > @Salary;
118
119    --- ##Question 2. (c)##
120    SELECT * FROM @EmployeeProfileReport;
121
122 END
123 GO
124 DROP PROCEDURE EmployeeProfileReportTableVariable;
125 --- ##Question 2. (b)##
126 --- ##Case 1
127 EXECUTE EmployeeProfileReportTableVariable 85000;
128

```

Results Messages

| EmployeeId | FirstName | LastName | HireDate | DepartmentId | Salary | DepartmentName | JobId | JobTitle |
|------------|-----------|-----------|-----------|--------------|--------|----------------|------------------|--------------------|
| 1 | 100 | Steve | King | 2009-06-17 | 9 | 240000.00 | Executive | 4 |
| 2 | 101 | Neena | Kochhar | 2011-09-21 | 9 | 170000.00 | Executive | 5 |
| 3 | 102 | Lex | De Haan | 2015-01-13 | 9 | 170000.00 | Executive | 5 |
| 4 | 103 | Alexander | Hunold | 2012-01-03 | 6 | 90000.00 | IT | 9 |
| 5 | 108 | Nancy | Greenberg | 2016-08-17 | 10 | 120000.00 | Finance | 7 |
| 6 | 109 | Daniel | Faviet | 2016-08-16 | 10 | 90000.00 | Finance | 6 |
| 7 | 114 | De | Raphaely | 2016-12-07 | 3 | 110000.00 | Purchasing | 14 |
| 8 | 145 | John | Russell | 2018-10-01 | 8 | 140000.00 | Sales | 15 |
| 9 | 146 | Kare | Partners | 2019-01-05 | 8 | 135000.00 | Sales | 15 |
| 10 | 176 | Jonathon | Taylor | 2020-03-24 | 8 | 85000.00 | Sales | 16 |
| 11 | 201 | Michael | Hartstein | 2018-02-17 | 2 | 130000.00 | Marketing | 10 |
| 12 | 204 | Herma | Baer | 2016-06-07 | 7 | 100000.00 | Public Relations | 12 |
| 13 | 205 | Shelley | Higgins | 2016-06-07 | 11 | 120000.00 | Accounting | 2 |
| | | | | | | | | Accounting Manager |

Ln 127, Col 50 (88 selected) Spaces: 4 UTF-8 LF SQL 13 rows Choose SQL Language 00:00:00 localhost:HR

Case (ii):

```

Azure Data Studio - Homework5_LikithVinayakaGiridhar.sql - localhost.HR (sa)
Mon 10 Apr 16:50

129    --- ##Case 2
130    ALTER PROCEDURE EmployeeProfileReportTableVariable
131    @Salary INT
132    AS
133    BEGIN
134        SELECT e.EmployeeId,e.FirstName,e.LastName,e.HireDate,e.Salary,e.DepartmentId,d.DepartmentName,e.jobId,j.jobTitle,r.RegionName,c.CountryName
135        From Employees e
136        inner join jobs j on e.JobId = j.JobId
137        inner join Departments d on e.DepartmentId=d.DepartmentId
138        inner join Locations l on d.LocationId=l.LocationId
139        inner join Countries c on l.CountryId=c.CountryId
140        inner join Regions r on c.RegionId=r.RegionId
141        where e.Salary < @Salary
142    END
143
144    EXECUTE EmployeeProfileReportTableVariable 85000;
145

```

Results Messages

| EmployeeId | FirstName | LastName | HireDate | Salary | DepartmentId | DepartmentName | JobId | JobTitle |
|------------|-----------|-------------|-----------|----------|--------------|----------------|-------|------------------------------|
| 1 | 104 | Bruce | Ernst | 60000.00 | 6 | IT | 9 | Programmer |
| 2 | 105 | David | Austi | 48000.00 | 6 | IT | 9 | Programmer |
| 3 | 106 | Valli | Pataballa | 48000.00 | 6 | IT | 9 | Programmer |
| 4 | 107 | Diana | Lorentz | 42000.00 | 6 | IT | 9 | Programmer |
| 5 | 110 | John | Che | 82000.00 | 10 | Finance | 6 | Accountant |
| 6 | 111 | Ismail | Sciarrra | 77000.00 | 10 | Finance | 6 | Accountant |
| 7 | 112 | Jose Manuel | Urma | 78000.00 | 10 | Finance | 6 | Accountant |
| 8 | 113 | Luis | Popp | 69000.00 | 10 | Finance | 6 | Accountant |
| 9 | 115 | Alexander | Khoo | 31000.00 | 3 | Purchasing | 13 | Purchasing Clerk |
| 10 | 116 | Shelli | Baida | 29000.00 | 3 | Purchasing | 13 | Purchasing Clerk |
| 11 | 117 | Sigal | Tobias | 28000.00 | 3 | Purchasing | 12 | Public Relations Represen... |
| 12 | 118 | Guv | Himuro | 26000.00 | 3 | Purchasing | 13 | Purchasing Clerk |

Ln 129, Col 1 (596 selected) Spaces: 4 UTF-8 LF SQL 27 rows Choose SQL Language 00:00:00 localhost:HR

Case (iii):

```

146  ##Case_3
147  ALTER PROCEDURE EmployeeProfileReportTableVariable
148  @Salary INT
149  AS
150  BEGIN
151      SELECT e.EmployeeId,e.FirstName,e.LastName,e.HireDate,e.Salary,e.DepartmentId,d.DepartmentName,e.jobId,j.jobTitle,r.RegionName,c.CountryName
152      From Employees e
153      inner join jobs j on e.JobId = j.JobId
154      inner join Departments d on e.DepartmentId=d.DepartmentId
155      inner join Locations l on d.LocationId=l.LocationId
156      inner join Countries c on l.CountryId=c.CountryId
157      inner join Regions r on c.RegionId=r.RegionId
158      where e.Salary = @Salary
159
160
161  EXECUTE EmployeeProfileReportTableVariable 85000;
162

```

Question.3

1. When we are having a complex join operation then it is Not good to use temporary tables.
Ans. (b) False
2. The local temporary table is automatically dropped when the SQL connection is closed.
Ans. (a) True
3. One obvious scenario for which local temp table is useful when you have a process that needs to store intermediate results.
Ans. (a) True
4. Which statement will select all columns from global temporary table temp1:
Ans. (a) Select * from ##temp1
5. Which of these statements is correct?
Ans. (b) Multiple users across multiple connections can have Global temporary tables with the same name.
6. Which statements is not correct?
Ans. (a) We can create Primary key on temp tables
7. What will be the output of the two SELECT statement below?


```
SELECT DAY('2022-10-19')
SELECT DAY('10/19/2022')
```

Ans. (b) Both will return 19
8. What is the correct value of SELECT ROUND(128.647, 2,1)
Ans. (a) 128.640
9. What is the output of SELECT CHARINDEX('am','I am an amazing SQL SERVER EXPERTS',5)
Ans. (c) 9
10. Which is the correct statement to execute stored procedure EmployeeSalarySELPerJobIdDeptId which has two input parameters JobId and DepartmentId.
Ans. (c) EXECUTE EmployeeSalarySELPerJobIdDeptId 5,8
11. Which of the following is true about a view?
Ans. (b) Views can't be updated once created.

12. What is the result of the below query: SELECT SUBSTRING('DOTNET', 1, 3) AS 'Substring'

Ans. (a) DOT

13. If a stored procedure is executed successfully, It returnsby default. If errors are encountered and the procedure is not successfully executed,integer value is returned.

Ans. (a) A values zero.....a non-zero

14. Which of the following commands can not be used in views?

Ans. (a) Order By