

```
/**Rudy Meza***/
```

```
/******HOMEWORK 3******/
```

```
/******Question 1******/
```

```
USE Chinook
```

```
SELECT Album.Title, Track.Name, Track.Milliseconds/1000 AS Seconds
FROM Album
JOIN Track
ON Track.AlbumId=Album.AlbumId
WHERE Title Like '%Let There Be Rock%'
```

```
/******Question 2 ******/
```

```
SELECT FirstName,LastName,
CONCAT(FirstName ,LastName) AS FullName,
DAY(BirthDate) AS Day, DATENAME(MONTH,BirthDate) AS Month, YEAR(BirthDate) AS Year
FROM Employee
```

```
/******Question 3******/
```

```
SELECT Customer.FirstName, Customer.LastName,CONCAT(Customer.FirstName,' ',
Customer.LastName) As CustomerName,
Customer.Country, Employee.FirstName, Employee.LastName, CONCAT(Employee.FirstName,'
',Employee.LastName) As CustomerRep
FROM Customer
JOIN Employee
ON Customer.SupportRepId=Employee.EmployeeId
Order By CustomerRep, Country
```

```
/******Question 4******/
```

```
SELECT Album.Title, Track.Name, InvoiceLine.InvoiceId
FROM Album
JOIN Track
ON Track.AlbumId=Album.AlbumId
FULL JOIN InvoiceLine
On Track.TrackId=InvoiceLine.TrackId
Order By Track.Name, InvoiceLine.InvoiceId
DESC
```

```
/******Question 5******/
```

```
SELECT
Title, Replace(Title,' ','') TitleNoSpaces,
Upper(Title) AS TitleUpperCase,
REVERSE(Title) AS TitleReverse, LEN(Title) AS TitleLength, LEFT(Title,1) AS SpaceLocation
FROM Album
```

```
/******Question 6******/
```

```
ALTER TABLE Employee  
ADD Age int  
GO
```

```
SELECT EmployeeId, BirthDate, HireDate, GetDate() AS 'GetDate',  
DATEDIFF(YEAR, BirthDate, GetDate()) CurrentAge, Age  
FROM Employee
```

```
UPDATE Employee  
SET Age=58  
WHERE EmployeeId=1
```

```
UPDATE Employee  
SET Age=62  
WHERE EmployeeId=2
```

```
UPDATE Employee  
SET Age=47  
WHERE EmployeeId=3
```

```
UPDATE Employee  
SET Age=73  
WHERE EmployeeId=4
```

```
UPDATE Employee  
SET Age=55  
WHERE EmployeeId=5
```

```
UPDATE Employee  
SET Age=47  
WHERE EmployeeId=6
```

```
UPDATE Employee  
SET Age=50  
WHERE EmployeeId=7
```

```
UPDATE Employee  
SET Age=52  
WHERE EmployeeId=8
```

```
SELECT FirstName, LastName, BirthDate, Age  
FROM Employee
```

```
/******Question 7******/
```

```
ALTER TABLE Employee  
ADD ManagerName_F Varchar(max)
```

GO

```
UPDATE Employee
SET ManagerName_F='N/A'
WHERE EmployeeId=1
```

```
UPDATE Employee
SET ManagerName_F='Andrew'
WHERE ReportsTo=1
```

```
UPDATE Employee
SET ManagerName_F='Nancy'
WHERE ReportsTo=2
```

```
UPDATE Employee
SET ManagerName_F='Michael'
WHERE ReportsTo=6
```

```
SELECT EmployeeId, LastName, FirstName, ReportsTo, ManagerName_F
FROM Employee
```

```
ALTER TABLE Employee
ADD ManagerName_L Varchar(max)
GO
```

```
UPDATE Employee
SET ManagerName_L='N/A'
WHERE EmployeeId=1
```

```
UPDATE Employee
SET ManagerName_L='Adams'
WHERE ReportsTo=1
```

```
UPDATE Employee
SET ManagerName_L='Edwards'
WHERE ReportsTo=2
```

```
UPDATE Employee
SET ManagerName_L='Mitchell'
WHERE ReportsTo=6
```

```
SELECT EmployeeId, LastName, FirstName, ReportsTo, CONCAT(ManagerName_F,
',ManagerName_L) AS ManagerName
FROM Employee
```

/******Question 8*****Changed From MAsTer to Chinook on Drop
Down MENU**/

```
ALTER TABLE Employee
ADD Short Varchar(max)
GO
```

```
UPDATE Employee
SET Short='Manager'
```

```
WHERE EmployeeId=1 OR EmployeeId=2 OR EmployeeId=6
```

```
UPDATE Employee
```

```
SET Short='Support Agent'
```

```
WHERE EmployeeId=3 OR EmployeeId=4 OR EmployeeId=5
```

```
UPDATE Employee
```

```
SET Short='Staff'
```

```
WHERE EmployeeId=7 OR EmployeeId=8
```

```
SELECT Title, Short
```

```
FROM Employee
```

```
/******Question 9******/
```

```
SELECT FirstName, LastName, CONCAT(LEFT(FirstName,1),LEFT(LastName,1)) AS Initials
```

```
FROM Customer
```

```
ORDER BY Initials
```

```
/******Question 10******/
```

```
SELECT LastName, Album.Title, Track.Name, CONVERT(Varchar, InvoiceDate, 101) AS PurchaseDate
```

```
FROM Invoice
```

```
JOIN Customer
```

```
ON Customer.CustomerId=Invoice.CustomerID
```

```
Join InvoiceLine
```

```
ON InvoiceLine.InvoiceId=Invoice.InvoiceId
```

```
Join Track
```

```
ON Track.TrackId=InvoiceLine.TrackId
```

```
Join Album
```

```
ON Track.AlbumId=Album.AlbumId
```

```
Where FirstName Like '%Julia%'
```