

INDEX-ASSIGNMENT


a. Create a table Called "Student" table with the following columns:
StudentID, StudentName, CourseName, City Name, ContactNumber


Student Table and its data:


	StudentID	StudentName	CourseName	CityName	ContactNumber
1	1	Swetha	.NET	Vijayawada	7993414554
2	2	Lahari	.NET	Vijayawada	7993414554
3	3	Mohini	Angular	Hyderabad	7993414554
4	4	Manasa	Angular	Hyderabad	7993414554
5	5	Reethu	React	Bangalore	7993414554
6	6	Roshan	React	Hyderabad	7993414554
7	7	Yash	Javascript	Delhi	7993414554
8	8	Sarthak	Javascript	Delhi	7993414554
9	9	Pranay	Node	Hyderabad	7993414554
10	10	Tripti	Node	Hyderabad	7993414554


- 1) Observe that after creation of the above table you can find clustered index on primary key. Write the name of the index from object explorer.


A) Name:- PK_Student_32C52A79A1755900 (Clustered)


 **dbo.Student**

 Columns



 StudentID (PK, int, not null)



 StudentName (varchar(255), null)



 CourseName (varchar(255), null)


 CityName (varchar(255), null)



  Keys

  Constraints

  Triggers

  Indexes

 PK_Student_32C52A79A1755900 (Clustered)

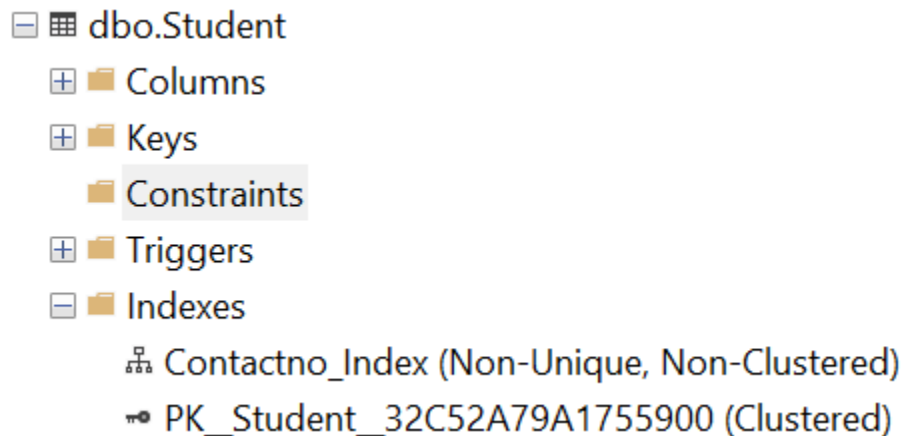
  Statistics

- 2) Create a non-clustered index on ContactNumber

A)

Query: **CREATE INDEX** Contactno_Index **on** Student (ContactNumber);

Output:

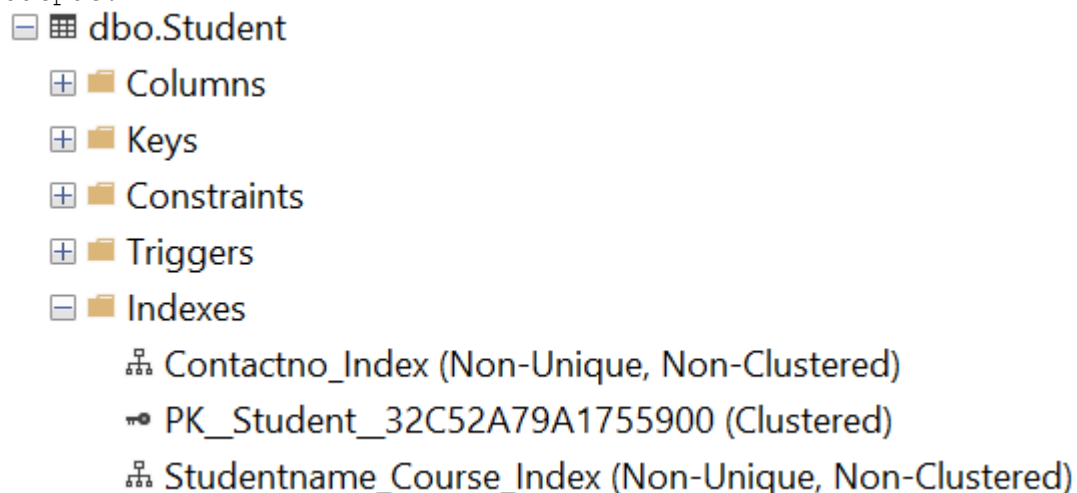


3) Create a composite index on StudentName, CourseName

A)

Query: `CREATE INDEX Studentname_Course_Index ON Student (StudentName , CourseName);`

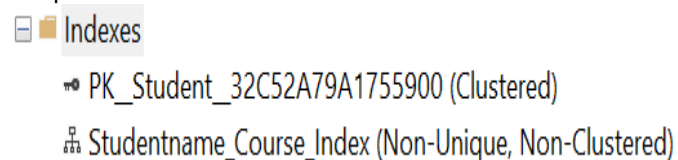
Output:



4)

a) Drop index- Query:- `DROP INDEX Contactno_Index ON Student`

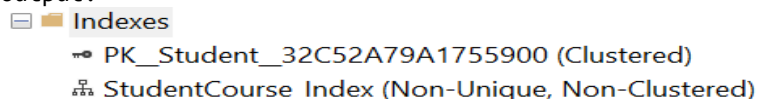
Output:



b) Rename the index-

Query:- `EXEC sp_rename 'Student.Studentname_Course_Index', 'StudentCourse_Index'`

Output:



c) Disable the index

ALTER INDEX StudentCourse_Index **on** Student **DISABLE**

Index Properties - StudentCourse_Index

The index is disabled.

Select a page

- General
- Options
- Storage
- Filter
- Extended Properties

Connection

USHYDKSWE\SQLEXPRESS01 [US\kswetha]

[View connection properties](#)

Progress

Ready

Script Help

Table name: Student

Index name: StudentCourse_Index

Index type: Nonclustered

☐ Unique

Index key columns					
Nam	Sort Order	Data Type	Size	Identity	Allow NULLs
Stude	Ascending	varchar(255)	255	No	Yes
Cour	Ascending	varchar(255)	255	No	Yes

Add... Remove Move Up Move Down

OK Cancel Help

Enable the index

ALTER INDEX StudentCourse_Index **on** Student **REBUILD**

Index Properties - StudentCourse_Index

Ready

Select a page

- General
- Options
- Storage
- Filter
- Fragmentation
- Extended Properties

Connection

USHYDKSWE\SQLEXPRESS01 [US\kswetha]

[View connection properties](#)

Progress

Ready

Script Help

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Add... Remove Move Up Move Down

OK Cancel Help

d) Check all the index
A) Query: `sp_helpindex Student`

	index_name	index_description	index_keys
1	PK__Student__32C52A79A1755900	clustered, unique, primary key located on PRIMARY	StudentID
2	StudentCourse_Index	nonclustered located on PRIMARY	StudentName, CourseName