_	Experiment 7	ant
	ADO net and Data set	<u> </u>
	connection	-
		to
	Aim: To implement a program to establish a connection between data set and windows forms using ADO .net	
	between data set and windows forms using Avo me	
	Theory:	
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		und
	eschosed through OLE DB and ODBC. Data-sharing	una
	consumer applications can use Ano . Net to connect	
	to these data sources and recreed,	
	the data that they contain.	ion
	ADO net separates data access he used separately	
	into discrete components that can be	
	or in tandem. All one mocting to a database exe	cut-ho
	data providers for connecting results have result	75_
	eiller responsed directly placed in an ADO	
	are cither processed arready to be exposed to	m.
	or in tandem. All net includes . Net framework data providers for connecting to a database exercise ing commands, and retrieving results Those result are either processed directly, placed in an ADO . net Data set object in order to be exposed to the user in an ad has manner. The user in an ad has manner. And net provides the most direct method of database exercised to database exercised in an ADO.	
	And not provides the most direct method of dat	ca_
	Apo net provides the most direct method of date of access within the net frame work. For a higher-level abstraction that allows applications to work again	
	abstraction that allows applications to work again	nst_
	abstraction that allows applications to doing again a conceptual model instead of the underlying storage model, see the ADO net Entity	
	storage model, see the ADO net Entity	
	frame work.	

FOR EDUCATIONAL USE

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The ADO net architecture comprises six important component. They are as follows: component They are as follows:

1) Connection: The connection object is the first important component. It is required to connect to a backend database that may be SQL server, oracle, MySQL, etc. You must have two things to create a connection object. They are database machine name and security crendentials.

2) Command: The second important component is the command object. After you create your SQL queries, you can execute them over the connection using command object. object. 3) Data Reader: We can only read the records in the forward mode with Data Reader. There are three types of Data Reader modes: read-only, connected and forward modes. Connected and torward modes.

b) Dataset: A disconnected record set can be browsed in both directions, and it is also possible to insert, update, or delete data sets. The Data-Adapter Fills a Dataset Using data.

5) Data Adapter: The Data Adapter performs an operation on the data from the command object and then writes the data set to the dataset.

6) Data View: A Data View enables you to modify the appearance of the data stored in a Data Table, a data-binding skill that is frequently employed in data-view applications.

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