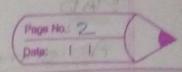
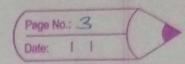
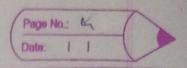
181240116001 vishwas Acharyer Assignment -4 Page No.: 1 I'v What is Data Storage on Android? Explain bow many options to store the data in Android Ans - Android provides many kinds of storage Por applications to store their data. - These slorage places are shared preferences, internal and external starage, solite storage, and storage via network connection. - The system provides several options for you to save your app data. are meant for your app's use only, either in dedicated directories within an internal storag volume or different dedicated directories within external storage. · Shared Storage: - Store Piles that your app gotende to share with other apps, including media, documents, and other Piles. o Preferences: - Store private, primitive data in key-value pries · Database :- Store structured data in private database using the Room persistence library



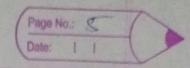
	Action (a)	Page No. 2 Page 1 1/1
- Paradora	Categories at starage Android provides two	types of physical
	L> external storage	
Ana	Differentiate between In External storage of Internal Storage	EXTERNAL STORAGE
	It is smaller than external storage on most devices.	5 10 9751 387
Lat. miles	en all derives	
- Complete	Files OS & app the	- All the media files or doarnests can also be stored on
	storage	
		can be accessed by
	that gives you across to these internal files as not your Android	apps easily.
	devices	



	Page No.: 3 Date: 1 1		
-	It also provides an Itanot provide on		
	extra security layer extra security layer		
	because the files		
	stored in the coasted		
	direction are not		
	accessible by outer		
100	apps.		
	Example 3- Internal - Example 3- SD card, hard		
	hard drive built-in- drive, cloud storage		
alice of	memory such as google cloude		
36	What is solite Database? Explain how it		
	95 useful en Android.		
Ans -	SQLite is a opensource SQL database that		
70007	stores data to a text file on a device		
	Android comes in with built in solite		
	database implementation.		
mi	SOLITE supports all the relational database		
201230	In order to success this database, you don't		
-			
P. St. Land	for it like JDBC OBBC ette.		
etr	It is used to perform database appointing		
	from the database.		
121 7.4			
- 5	Al established biordon and bideforms en til		
	so there is no need to nextrain		
1	detabase setup or admistration took		
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- Sque OpenHelper class provides the functional to use the sqlite dotatuse · solite Open Helper class 13 The andopid alatabase sqlite SQLite Open Helpes class is used for doubtabuse creation and version management. is For performing any database operation, you have to provide the implementation of oncreated and onupgraded methods OF Soute Open Helper class is There are two constructors of SQLite Opentelper class A 17 11150 · GQLite OpenHelper (context context, String name, Salite Database. Chosostactory factory int version) · Salite Open Helper (context context, String name, Solite Database, cursor Factory factory, int version, Databage Foronthambler error Hambler => Hence, it is sollite Database and 94's niti nidgx3 ? osbivor ? Provider? Explain it in details Ang - A content provider presents data to external applications as one or more tables that age similar to the tables found in a relational databale



- A row represents on gostonce of some type of data the provider collects, and each column in the sow represents an individual piece of data collected for an instance - A content provider coordinates access to the deita storage layer in your application for a number of alifferent APIs and components as allustrated in figure t, these cochdep is shaling access to your application data with other applications. 2> Sending dota to a widget. is Returning custom search suggestions of your application through the search framework using Search Recent Suggestions Provides. 5 Synchronizing application data with you Server using an implementation of Abstract Thereaded Sync Adapter Ly Loading data in your UT roing a Cursor Loader - The Liguse of this is given further

