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Panel 2

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CNS Assignment 5

* Aim: Study the security permissions for applications in android phones. Either demonstrate Android security permission configurations or write app to demonstrate permissions usage control in android phones.

* Theory: The purpose of permission is to protect the privacy of an Android user. Android apps must request permission to access sensitive user data, as well as certain system features
  - Depending on the feature, the system might grant the permission automatically or might prompt user to approve the request
  - A central design point of Android security architecture is that no app by default has permission to perform any operations that would adversly impact other apps, the OS or user.

* Android security permission best practices permission requests protect sensitive information available from a device and should be used when access to information is necessary for functioning of your app.

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x Android security Permissions recommendations

1. only use the permissions necessary for your app to work
2. Pay attention to permission required by libraries
3. Be transparent
4. Make system access explicit.

★ List of Permissions:-

1. Make Phone Calls.
2. Send SMS or MMS
3. Modify/delete SD card
4. Read Contacts
5. Write contact data
6. Read calendar data
7. Write calendar data
8. Read browser history
9. Write browser history
10. Read sensitive logs e.t.c.

* conclusion :- Thus, we studied security permissions for applications in android phones

* FAQ's

q1. How do I stop an app from accessing my contacts?

=> As the Android, ios users can also access the most important permissions groups and disable apps access from settings → Privacy → Apps → App permission → Disable app from accessing contacts.

q2. Can apps steal your photos?

=> The third party Apps that are untrusted mostly steal users data along with the photos if we give them the permission to access your Gallery.
We can disable the permission from settings

q3 What are App Protection Policies?

=> App Protection policies (APP) are rules that ensure an organization's data remains safe or contained in a managed app.
- A policy can be a rule that is enforced when user attempts to access or move corporate data or set of actions that are prohibited or monitored when user is insite the app.