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| a) What is the difference between Internal Stroage and External Storage? |
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| Internal memory is the memory available to us for installing our applications (the operating system ones) and data. |
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| Applications are installed in this storage and our personal data such as text messages, contact lists, our email settings |
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| are stored on this. This is considered to be quite sensitive information and this is not accessible to us. |
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| Whereas external memory is the external storage capacity of our phone which is accessible to us. It is the storage which can be |
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| removed easily by us (our memory card) and can be used for storing pictures, music, videos. |
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| In terms of security, Internal memory is more secure because anyone can remove our external storage and can access its files which is not possible |
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| in case of internal storage. |
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| In terms of reliability, when an app is uninstalled, its app data stored in Internal Storage is lost, whereas, if the data is stored in |
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| external storage, it is not lost when the app is uninstalled. |
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| b) For how long the data resides in the cache? |
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| As long as the user doesn't clear cache or data or the device doesn't run out of memory cached data resides inside the phone or internal memory. |
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| c) What are the critical permissions and Normal permissions? What are the examples of each? |
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| If an app declares in its manifest that it needs a normal permission, the system automatically grants the app that |
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| permission at install time. The system does not prompt the user to grant normal permissions, and users cannot revoke |
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| these permissions. |
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| Examples Check and change data connection: Include network state, Wi-Fi State, Bluetooth, Internet, etc. |
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| Whereas in case of critical permissions the system prompts the user to grant these permissions at run time. |
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Example for accessing locations in Ola or Uber app.