1. What is the difference between Internal Storage & External Storage?

Soln:  Internal storage is the memory available to user for installing your applications (**the operating system ones**) and data. Applications are installed in this storage and user personal data such as text messages, contact lists, user email settings and the likes are stored on this. This is considered to be quite sensitive information and **this is not accessible to user**.

As the name suggests, this is the external storage capacity of phone. It depends on the compatibility of the memory card slot and to what extent is it supported. In simpler terms, it is the storage which can be removed easily by user (memory card) and can be used for storing pictures, music, videos and the likes

1. For how long the data resides in the cache?

Soln: It remains until user deletes it.

c) What are the critical Permissions and Normal Permissions? What are the examples of each?

Soln: Normal permissions are which indicates that there's no great risk to the user's privacy or security in letting apps have those permissions. For example. ACCESS\_LOCATION\_EXTRA\_COMMANDS, ACCESS\_NETWORK\_STATE, ACCESS\_NOTIFICATION\_POLICY, ACCESS\_WIFI\_STATE, BLUETOOTH, BLUETOOTH\_ADMIN, BROADCAST\_STICKY.

Critical Permissions : To protect the system's integrity and the user's privacy, Android runs each app in a limited access sandbox. If the app wants to use resources or information outside of its sandbox, the app has to explicitly request permission. Depending on the type of permission the app requests, the system may grant the permission automatically, or the system may ask the user to grant the permission. For example. CAMERA, READ\_CONTACTS, WRITE\_CONTACTS, GET\_ACCOUNTS, ACCESS\_FINE\_LOCATION, ACCESS\_COARSE\_LOCATION.