ASSIGNMENT I

Name: KARAN VASHIST Student ID : C0704796

1. List the build-in android applications.
2. Describe and identify key features of each of the existing android versions.

ANS 1: Here is the basic built-in applications which you can found in any basic android version –

* Messaging
* Auto Correction
* Web Browser
* Bluetooth
* Camera
* Contacts
* Google Maps
* Gallery
* Play Store
* Music
* Google Drive

ANS 2: The android versions are developed by the GOOGLE and there are building and by the passage of day by day there are working on it to make it quite better and in such a way that android lovers would like it even more as they bring new versions to the people. In the newer versions they mainly focus to fix the bugs or the problem from the older versions. Here are some of the android versions and a little bit of information on them –

### Kit Kat: Android 4.4 **"**[**KitKat**](https://en.wikipedia.org/wiki/KitKat)**"** was officially announced on **September 3, 2013.**

# **Features:**

The general interface of KitKat additionally makes light of the "Holo" interface appearance presented on 4.0, supplanting remaining cases of blue emphasizing with grays and white . Applications may trigger a translucent status and route bar appearance, or trigger a full screen mode to shroud them completely. The launcher additionally got a revived appearance, with the execution of the translucent route bars, and the substitution of the dark scenery in the application cabinet with a translucent background. Gadgets with 512 MB of RAM or less report themselves as "low RAM" gadgets. Utilizing an API, applications may identify low RAM gadgets and change their usefulness in like manner. KitKat additionally underpins zram.

## Lollipop: This **version** is sometimes patched. **Android** "**Lollipop**" is a codename for the **Android** mobile operating system developed by Google, spanning **versions** between 5.0 and 5.1.1. ... **Lollipop** is succeeded by Marshmallow, which was released in October 2015.

# **Features**

Android 5.0 introduces a refreshed notification system. Individual notifications are now displayed on cards to adhere to the material design language, and batches of notifications can be grouped by the app that produced them. Notifications are now displayed on the [lock screen](https://en.wikipedia.org/wiki/Lock_screen) as cards, and "heads up" notifications can also be displayed as large banners across the top of the screen, along with their respective action buttons.A do-not-disturb feature is also added for notifications. The recent apps menu was redesigned to use a three-dimensional stack of cards to represent open apps. Individual apps can also display multiple cards in the recents menu, such as for a web browser's open [tabs](https://en.wikipedia.org/wiki/Tabbed_browsing).

Oreo: Android **"Oreo"** is the eighth major update and the **15th version** of the [Android](https://en.wikipedia.org/wiki/Android_(operating_system)) [operating system](https://en.wikipedia.org/wiki/Operating_system). It was first released as an [**alpha quality**](https://en.wikipedia.org/wiki/Alpha_quality) developer preview in **March 2017** and **released** to the public **on August 21, 2017**.

# **Features**

Notifications can be snoozed, and batched into topic-based groups known as "channels". Android Oreo contains integrated support for [picture-in-picture](https://en.wikipedia.org/wiki/Picture-in-picture) modes (supported in the [YouTube](https://en.wikipedia.org/wiki/YouTube) app for [YouTube Red](https://en.wikipedia.org/wiki/YouTube_Red) subscribers). The "Settings" app features a new design, with a white theme and deeper categorization of different settings. while its ringtone, alarm and notification sound settings now contain an option for adding custom sounds to the list.

Honey Comb: Android **"Honeycomb**" is a codename for the [Android](https://en.wikipedia.org/wiki/Android_(operating_system)) platform that was designed for devices with larger screen sizes, particularly [tablets](https://en.wikipedia.org/wiki/Tablet_computer) and the 8th system of Android. It is no longer supported (newer versions are). Honeycomb debuted with the [**Motorola Xoom**](https://en.wikipedia.org/wiki/Motorola_Xoom) in **February 2011.**

## **Features**

The Email and Contacts apps use a two-pane [UI](https://en.wikipedia.org/wiki/User_interface" \o "User interface).Gallery app now lets users view albums and other collections in full-screen mode, with access to thumbnails for other photos in a collection.The Browser app replaces browser windows with [tabs](https://en.wikipedia.org/wiki/Tabbed_browsing), adds an incognito mode for anonymous browsing, and presents bookmarks and history in a unified view, among other features.Redesigned keyboard to make entering text easier on large screen devices such as [tablets](https://en.wikipedia.org/wiki/Tablet_computer" \o "Tablet computer).A Recent Apps view for multitasking.Customizable home screens (up to five).

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