

Figures to be drawn on the blank side of the page

8. Develop a program to implement Progress Bar.

Progress bars are used to show progress of a task. For example, when you are uploading or downloading something from the internet, it is better to show the progress of download/upload to the user. In android there is a class called Progress Dialog that allows you to create progress bar.

A user interface element that indicates the progress of an operation. For a visual overview of the difference between determinate and indeterminate progress modes, see Progress & activity. Display progress bars to a user in a non-interruptive way. Progress bar supports two modes to represent progress: determinate and indeterminate.

Indeterminate Progress –

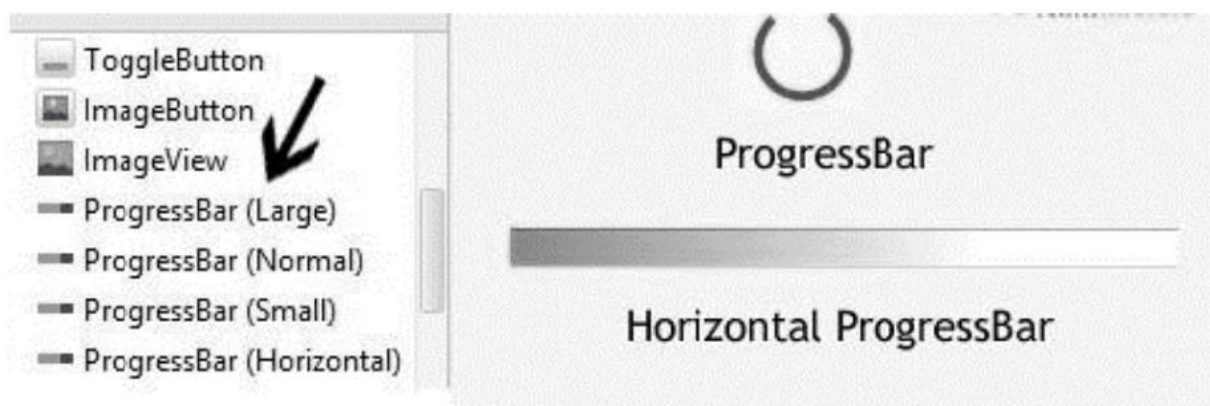
Use indeterminate mode for the progress bar when you do not know how long an operation will take. Indeterminate mode is the default for progress bar and shows a cyclic animation without a specific amount of progress indicated.

Determinate Progress –

Use determinate mode for the progress bar when you want to show that a specific quantity of progress has occurred. For example, the percent remaining of a file being retrieved, the amount records in a batch written to database, or the percent remaining of an audio file that is playing.

ProgressDialog is a class that allows you to create progress bar. In order to do this, you need to instantiate an object of this class. Its syntax is :-

```
ProgressDialog dialog=new ProgressDialog(this);
```



Commonly used attributes related to **ProgressBar** control

Attribute	Description
android:id	It is used to uniquely identify the control
android:minHeight	It is used to set the height of the progress bar.
android:minWidth	It is used to set the width of the progress bar.
android:max	It is used to set the maximum value of the progress bar.
android:progress	It is used to set the default progress value between 0 and max. It must be an integer v
android:background	It is used to set the background color for a progress bar.
android:indeterminate	It is used to enable the indeterminate progress mode.
android:padding	It is used to set the padding for left, right, top or bottom of a progress bar.