**Gestures** *//to add override methods press ALT and INSERT keys simultaneously*

**Reference:** https://developer.android.com/training/gestures/detector#java





**public class** MainActivity **extends** Activity **implements** GestureDetector.OnGestureListener, GestureDetector.OnDoubleTapListener {

 GestureDetectorCompat **mDetector**;

 @Override
 **protected void** onCreate(Bundle savedInstanceState) {
 **super**.onCreate(savedInstanceState);
 setContentView(R.layout.***activity\_main***);
 *// Instantiate the gesture detector with the
 // application context and an implementation of
 // GestureDetector.OnGestureListener* **mDetector** = **new** GestureDetectorCompat(**this**,**this**);
 *// Set the gesture detector as the double tap
 // listener.* **mDetector**.setOnDoubleTapListener(**this**);
 }@Override
 **public boolean** onTouchEvent(MotionEvent event) {
 **if** (**this**.**mDetector**.onTouchEvent(event)) {
 **return true**;
 }
 **return super**.onTouchEvent(event);
 }

 @Override
 **public boolean** onDown(MotionEvent e) {
 Toast.*makeText*(getApplicationContext(),**"onDown Gesture "**,Toast.***LENGTH\_SHORT***).show();
 **return true**;
 }

 @Override
 **public void** onShowPress(MotionEvent e) {
 Toast.*makeText*(getApplicationContext(),**"onShow Gesture "**,Toast.***LENGTH\_SHORT***).show();
 }

 @Override
 **public boolean** onSingleTapUp(MotionEvent e) {
 Toast.*makeText*(getApplicationContext(),**"onSingleTap Gesture "**,Toast.***LENGTH\_SHORT***).show();
 **return true**;
 }

 @Override
 **public boolean** onScroll(MotionEvent e1, MotionEvent e2, **float** distanceX, **float** distanceY) {
 **return true**;
 }

 @Override
 **public void** onLongPress(MotionEvent e) {
 Toast.*makeText*(getApplicationContext(),**"onLongPress Gesture "**,Toast.***LENGTH\_SHORT***).show();
 }

 @Override
 **public boolean** onFling(MotionEvent e1, MotionEvent e2, **float** velocityX, **float** velocityY) {
 Toast.*makeText*(getApplicationContext(),**"onFling Gesture "**,Toast.***LENGTH\_SHORT***).show();
 **return true**;
 }

 @Override
 **public boolean** onSingleTapConfirmed(MotionEvent e) {
 **return true**;
 }

 @Override
 **public boolean** onDoubleTap(MotionEvent e) {
 **return false**;
 }

 @Override
 **public boolean** onDoubleTapEvent(MotionEvent e) {
 **return true**;
 }
}