**Test for getBlackCall:**

Implement test on input variable check:

1. Forward spot should be non-negative.
2. Time expiry should be non-negative.
3. Dimension of strike price and implied volatilities should be the same.
4. Strike price should be non-negative.
5. Implied volatilities should be positive.

Any violation of the above condition will display corresponding error message and the function will stop.

**Test for getStrikeFromDelta:**

Implement test on input variable check:

1. Forward spot should be positive.
2. Time expiry should be positive.
3. Flag should be 1 for call option, -1 for put option.
4. Implied volatilities should be positive.
5. Absolute delta value should be positive.

Any violation of the above condition will display corresponding error message and the function will stop.

**Test for call-put parity:**

This function test that European call options forward prices obtained by getBlackCall function satisfy call-put parity.

Steps for test are as follows:

1. Obtained market data given in project and use getStrikeFromDelta function to obtain corresponding strike price from implied volatilities and deltas.
2. Use black formula to calculate forward price of call option by getBlackCall function.
3. Use black formula to calculate forward price of put option with the same forward spot, strike price and expiration strike.
4. Test whether C + K = P + FWD where C and P stands for forward price of a call and put option separately, and K stands for strike price, FWD stands for forward spot.
5. As there may exist some rounding error, if abs(C+K-P-FWD) <, the call-put parity test pass, otherwise fail and need further check the implementation of the getBlackCall function.