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In this work, we obtained integrable KdV type evolution equations with their solitary-wave solutions and integrability conditions by applying the multiple scales method from some wave equations known as nonlinear evolution equations. In addition, through using a different multiple scales method including higher order slow variables, KdV type evolution equations were derived from integrable nonlinear Schrödinger type equations. For the multiple scales calculations REDUCE computer algebraic packet program is used. (Received January 02, 2012)