Problem of the Study:

The problem of the study is the presence of some of the weaknesses in the second Stage of pupil's basic education in the collection of grammatical concepts, which affects the critical thinking skills they have. This was confirmed by the results of some previous studies such as: (Magda Saad: 2004) (Lady Rajab: 2004) (Hussein Ibrahim: 2005) (Moataz Zuhaer: 2006) (Samia Mohamed: 2007). The researcher - through his milestone Arabic for pupils in second Stage of basic education - noticed a weakness among students in the use of grammatical rules. He noticed the presence of multiple errors in a large number of syntactic and morphological concepts such as: types of predicate, sound verbs, weak verbs, intransitive verbs, transitive verbs and other grammatical concepts. This makes the researcher use concept maps strategy to reduce errors and develop some of their critical thinking skills.

To solve this problem, the study tried to answer the following main question:

"What is the effectiveness of a computer based program of concept map strategy for developing second stage basic Education Students grammatical concepts and critical thinking skills?"