

NPTEL  
NPTEL ONLINE COURSE  
Discrete Mathematics  
Logic  
Introduction to Statements  
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Let us consider these two sentences. Look at the first sentence. It says she is beautiful. The second sentence. New Delhi is the capital of India. Of course these two are not related as it is obvious to you people. But then there is a very important difference between that type of sentence that the first one and the second one is. She is beautiful is a sentence which cannot be considered as true or false. Why? Because beauty is a very subjective term. Right. But the second sentence as you can observe. That is called a statement because it is this is such a statement, such a sentence can only be true or false. Right. A sentence like he is very tall you cannot classify as true or false. Correct? So any sentence which can be classified as true or false is called a statement. Sometimes we also call it a proposition. These two are interchangeably used in different textbooks of discrete mathematics but please from now onward we are only going to talk about what is called statements, something that can be classified as true or false.

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