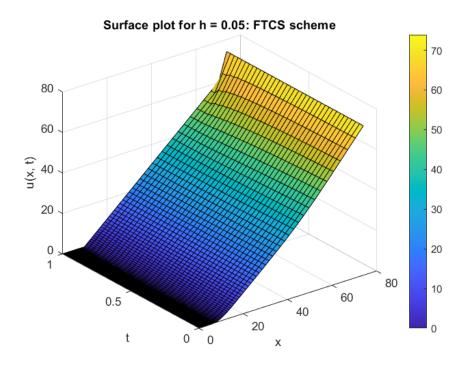
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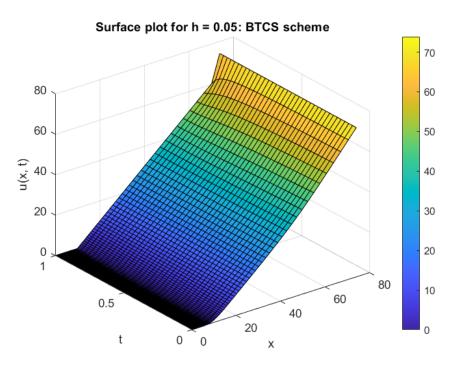
<u>Lab – 2</u>

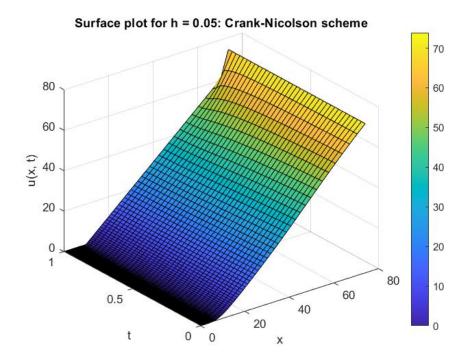
Name - Vishisht Priyadarshi Roll No - 180123053

QUESTION - 1:

The surface plots for the solution of the Black Scholes PDE for European Call using different schemes are:





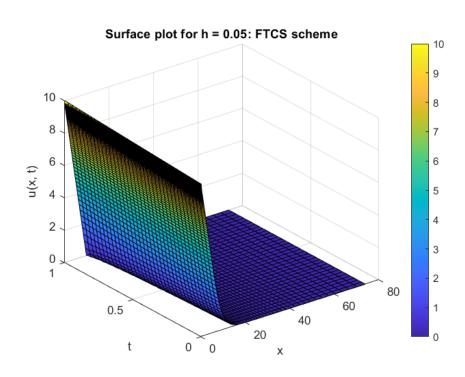


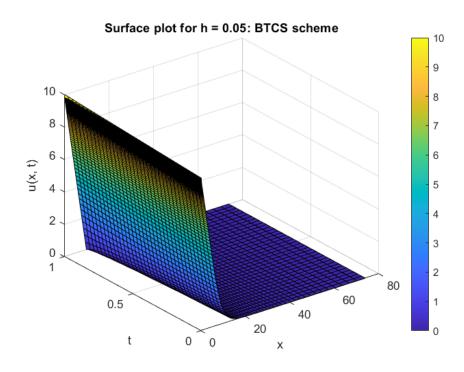
Observations:

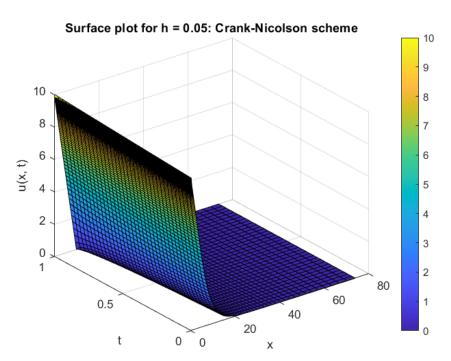
We can observe that the price of the European call increases as S increases, and so the surface formed is within the theoretical expectations.

2 QUESTION - 2:

The surface plots for the solution of the Black Scholes PDE for European Put using different schemes are:







Observations:

We can observe that the price of the European put decreases as S increases, and so the surface formed is within the theoretical expectations.