بسـم الله الرحمن الرحيم

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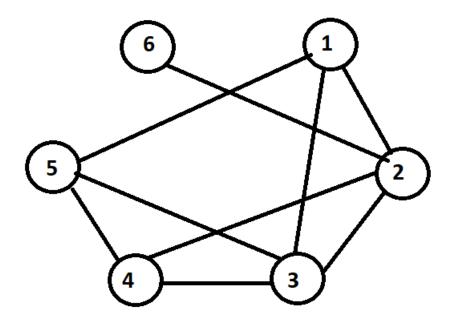Computer Engineering Department

جامعــة
النجــاح الوطنيــة
كلية الهندسة قسم
هندسة الحاسوب

Computer Engineering Department
Discrete Mathematics -10636215
HW3

<mark>**Deadline: 22/07/2022 midnight**</mark>	**5 points**

Write C code to do the following:
1. Represent the following directed graph with an adjacency matrix

2. Find the degrees of the vertices of the directed graph.
3. Find the nth powers of the adjacency matrix of the graph.
4. Print the number of paths from vi to vj of length n.

Good Luck