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| animatedLOGO | **Assignment No. 02**  **Semester: Spring 2021**  **Software Engineering-1 (CS504)** | **Total Marks: 20**  **Due Date: 5-06-2021** |
| **Solution**  **NAME: TAMKEEN SAJJAD**  **ID: MC200400003**  **Course: MIT** | | |
| **Question#1:**  According to the following DFD Rules:   1. Each process should have at least one input and an output. 2. Each data store should have at least one data flow in and one data flow out. 3. Data stored in a system must go through a process. 4. All processes in a DFD go to another process or a data store.   **Mistakes in the DFD**   1. Process P3 is having no output. Each process should have at least one input and an output. 2. Dataflow from X to Y is not allowed as a process is needed to exchange data between external agents.   **Question#2:**  The Class StudentManager is converted to following highly cohesive classes out of this class comprising of all essential elements. Following diagram shows class name, attributes, and operations etc. | | |