4. What is DFD? Create a DFD diagram on Flipkart.

**DFD** is the abbreviation for **Data Flow Diagram**. The flow of data of a system or a process is represented by DFD. It also gives insight into the inputs and outputs of each entity and the process itself. DFD does not have control flow and no loops or decision rules are present. Specific operations depending on the type of data can be explained by a flowchart. It is a graphical tool, useful for communicating with users, managers and other personnel. it is useful for analyzing existing as well as proposed system.

It provides an overview of

* What data is system processes.
* What transformation are performed.
* What data are stored.
* What results are produced, etc.

**Characteristics of DFD**

* DFDs are commonly used during problem analysis.
* DFDs are quite general and are not limited to problem analysis for software requirements specification.
* DFDs are very useful in understanding a system and can be effectively used during analysis.
* It views a system as a function that transforms the inputs into desired outputs.
* The DFD aims to capture the transformations that take place within a system to the input data so that eventually the output data is produced.
* The processes are shown by named circles and data flows are represented by named arrows entering or leaving the bubbles.
* A rectangle represents a source or sink and it is a net originator or consumer of data. A source sink is typically outside the main system of study.





