

Ans 3 - A Transaction Process System (TPS) is an information processing system for business transactions involving collection, modification and retrieval of all transaction data. Characteristics of a TPS include performance, reliability and consistency. TPS is also known as transaction processing or real-time processing. A transaction process system and transaction processing are often contrasted with a batch process system and batch processing, where many requests are all executed at one time. The former requires the interaction of a user, whereas batch processing does not require user involvement. In batch processing the result of each transaction are not immediately available. Additionally, there is a delay while the many requests are being organised, stored and eventually executed. In transaction processing there is no delay and the result of each transaction are immediately available during the delay time for batch processing, errors can occur. all these errors can occur in transaction processing they are infrequent and tolerated by do not warrant shutting down the entire system. to achieve performance, reliability accessible in a data ~~store~~ warehouse, backup processes must be in place and recovery process must be in place to deal with system failure, human failure, computer viruses, software application and natural disasters.

Characteristics of transaction processing system

- 1) Transaction processing systems (TPS) :-
Collect, store, modify and retrieve the transaction
- Transaction is an event that generates or modifies data to be store in an information system
eg:- Point of Sale, Credit cards Payment
 - Designed in conjunction with the organisation process
 - Main process are collecting and storing

(2) - Rapid responses

- fast performance is critical.
- Turn around time from transaction input to the production output must be a few seconds or less

(3) - Inflexibility

- Every transaction must be processed in the same way
- flexibility results into many opportunities for ~~known~~ non standard operations, resulting in problems due to different transaction data.