The Complete Mainframe Professional Course

Volume 1: TSO/ISPF

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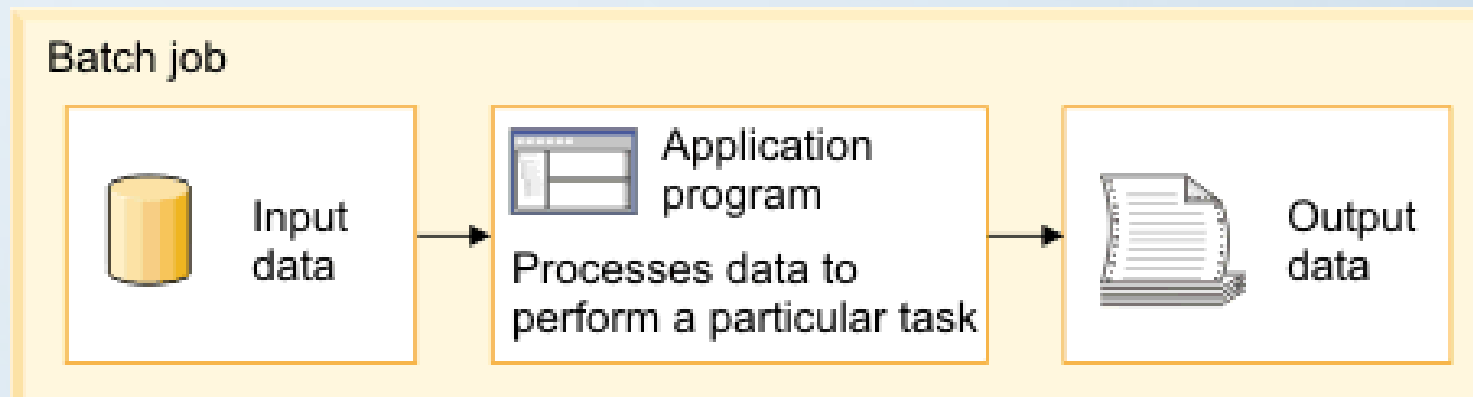
Lecture: Types of Data Processing on Mainframes

Types of Data Processing on Mainframes

1) Batch Processing example:

❑ JobA – Calculates the total money withdrawal this month by the customer.

❑ JobB – Calculates the total money deposited this month by the customer.

❑ JobC – Calculates the total balance for this month for the customer.

JobC will only start after JobB is complete and JobB will only start after JobA is complete. This is an example of a batch process. After completion of JobC the customer statements will be ready.

Eg: Monthly Bank statements.

Types of Data Processing on Mainframes

2) Online Transaction Processing(OLTP):

❑ Transaction processing that occurs interactively with the end user is referred to as online transaction processing or OLTP.

❑ Uses CICS(Customer Information Control System).

For example withdrawal of money from ATM, booking airline tickets.

Online (interactive) transaction

Query → Application program

Reply ← Accesses shared data on behalf of an online user