

(i) Data elements :- The smallest unit of data that provides for no further decomposition.

(ii) Data Structure :- A group of data elements handled as a unit. For example, "Book Details" is a data structure consisting of the data elements author name, title, ISBN (International Standard Book number), publishers name etc.

(iii) Data flow and data stores :- Data flows are data structure in motion where as data stores are data structure at rest. A data store is a location where data structures are temporarily located.

### \* Data item

| * Data type        | Data item                           |
|--------------------|-------------------------------------|
| * Data name        | ex- Salary                          |
| * Data aliases     | Wages                               |
| * Data description | Monthly gross salary of an employee |

Data characteristicsType Numericalwidth 7.2

4 digits for the rupee components

1 digit for the decimal point

2 digits for the paise component

Associated data stores

payroll file

personal file

Associated data ~~processes~~

payroll file

processes

PF accounting

personal information systems

Comments

Gross salary is based on employees designation and hence falls within a specified range.

\* Data Store

Data type

Data store

Data name

payroll file

Data aliases

Salary file

Data description

Master file on employees for payroll accounting