| | Data Abstraction |
|--|--|
| 7 | Defn: A data-type is a collection of objects and a set of operations that act on those objects. eg: int, char, float. |
| The state of the s | act on those objects. eg: int, char, float. |
| Fr | Defn: An abstract data-type (ADT) is a data-type that is organized in such a very that the specification of the objects and the specification of the |
| | way that the specification of the objects and the specification of the |
| | ofercours on the objects to report were |
| | Objects and the implementation of the operations in |
| Ť | · How does the specification of the operations of an ADT differ from the |
| L | implementation of the officers. Constinut the title of its |
| | . The specification consists of the names of every do also be a description |
| | arguments, and the type of the result appealing to internal representation |
| | The specification consists of the names of every functions arguments, and the type of its result. There should also be a description of what the function does, but without appealing to internal representation of what the function does, but without appealing to internal representation |
| | |
| T- | Apt is implementation-independent. |
| | Classification of the functions of a data-type |
| | Those functions create a new costume of |
| 0 | type. |
| 1 | Thereformore of Also create on instance of the adoption of |
| .[| 2) Transferrers of the using one or more other instances. |
| 3/4- | 1) Creator constructor; type. 2) Transformers: Also create an instance of the designated type, generally type one or more other instances. Ty using one or more other instances. 3) Observers reporters: Provide information about an instance of the type, |
| T | Toly hometops: Frovide information account |
| | but they do not change the instance. |
| | |
| | 121.5: All read subminge of the integers starting at zero and ending |
| | Ex 1.5: ADT Natural Number [Objects:] an ordered subrange of the integers starting at zero and ending [other maximum integer (INT_MAX) on the computer. |
| | cat the maximum integer (-11) |
| | |