WHAT INFORMATION POES A PATABASE STORE?

WHAT INFORMATION POES A PATABASE STORE?

ANYTHING...

OUR LIFE IS AUTOMATED AND INFORMATION ABOUT PRACTICALLY EVERYTHING WE SEE OR USE IN LIFE LIVES IN SOME DATABASE

STUPENTS

TESTS

CONSIDER A SCHOOL

TEACHERS

SPORTS

CLASSES

STAFF



WHAT INFORMATION POES A DATABASE STORE?

STUPENTS

TESTS

CONSIDER A SCHOOL

TEACHERS

SPORTS

CLASSES

STAFF



CUSTOMERS

CONSIDER A BANK

BANK ACCOUNTS

BRANCHES

TRANSACTIONS



WHAT INFORMATION POES A PATABASE STORE?

STUPENTS TESTS

CONSIDER A SCHOOL

TEACHERS SPORTS

CLASSES STAFF



CONSIDER A BANK

CUSTOMERS
BANK ACCOUNTS BRANCHES
TRANSACTIONS



CONSIDER UBER

DRIVERS CUSTOMERS RIPES



ENTIFS

EACH OF THESE ARE OBJECTS WITH SPECIFIC CHARACTERISTICS WHICH DEFINE THEM



STUPENTS

TESTS

TEACHERS SPORTS

SIAFF

CLASSES

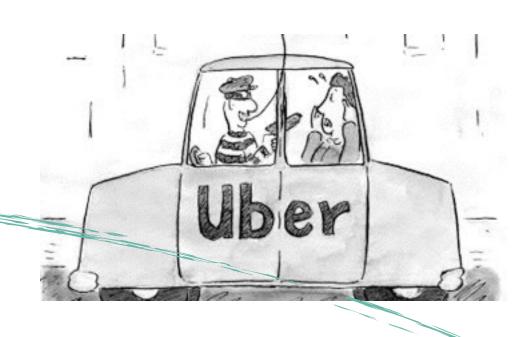


CUSTOMERS

BRANCHES

BANK ACCOUNTS

TRANSACTIONS



DRIVERS

CUSTOMERS

RIPES

CUSTOMERS BANK ACCOUNTS ENTITIES

CLASSES BRANCHES PRIVERS

RIPES FACH OF THE

STAFF TEACHERS

EACH OF THESE ARE OBJECTS WITH SPECIFIC CHARACTERISTICS WHICH DEFINE THEM

STUPENTS

SPORTS TRANSACTIONS

TESTS

CUSTOMERS

An entity is a real-world object or a "thing", either animate or inanimate, that can be easily identifiable and is distinguishable

An entity set is a collection of similar types of entities. An entity set contains entities with the same properties

SET OF CUSTOMERS AND DRIVERS IS NOT AN ENTITY SET

SET OF TEACHERS

SET OF BANK ACCOUNTS

ENTIFS

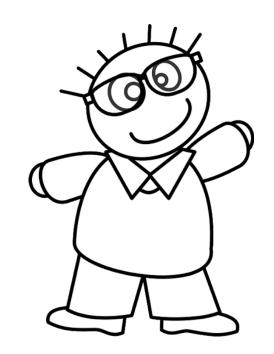
EACH OF THESE ARE OBJECTS WITH SPECIFIC CHARACTERISTICS WHICH DEFINE THEM

CUSTOMERS



NAME
PHONE NUMBER
APPRESS
FAVORITE COLOR
FULL HEAP OF HAIR

ATTRIBUTES



CUSTOMERS ATTRIBUTES

NAME

APPRESS

EACH OF THESE ARE OBJECTS WITH SPECIFIC FAVORITE COLOR CHARACTERISTICS WHICH DEFINE THEM PHONE NUMBER

Attributes are properties of entities which hold specific values

Every attribute has a range of values or "domain" which can be assigned to it

SINGLE VALUED

COMPOSITE

SIMPLE

MULTI VALUED

DEKIVED

SIMPLE

These attributes are atomic values which cannot be divided further

PERSON'S PHONE NUMBER

PERSON'S EMAIL APPRESS

BANK BRANCH COPE

SCHOOL CLASS COPE

SINGLE VALUED

These attributes can contain just one value

PERSON'S SOCIAL SECURITY NUMBER

BANK BRANCH CODE

SCHOOL CLASS COPE

MULTI VALUED

These attributes can contain more than one value for the same attribute

PERSON'S PHONE NUMBER

PERSON'S EMAIL APPRESS

COMPOSITE

These attributes are made up of more than one simple attribute

PERSON'S NAME

FIRST NAME MIDDLE NAME

LAST NAME

PERSON'S APPRESS

BLOCK NUMBER

STREET NAME

CITY

PIN COPE

DERIVED

These attributes do not explicitly exist as a part of the data but can be derived from other related data available

PERSON'S AGE
CAN BE DERIVED FROM HIS DATE OF BIRTH