

NAME

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ID

14590

Date

25/4/2020

Database System.

Mid Term

Q: No: 01:

1) Candidate Keys:

The candidate keys  
in the given figures  
are ID / Name and  
their cells.

2) Data Redundancy:

In computer main  
memory, auxiliary storage

(2)

And computer buses,  
data redundancy is  
the existence of extra  
additional to the actual  
data.

It can be a  
complete copy of  
the actual data.

In simple a data  
stored on two or  
more separated places.

### Data Integrity:

Data Integrity refers  
to maintenance accuracy  
and consistency of  
data over its  
entire life cycle.

### 3) Multivalued Attribute Example:

Soccer Player	
{	Skills, Specility (Name, Number)
}	

(3)

#### 4) Maintenance In Database :

=> In database approach  
all files are stored  
in one place which  
is easier to maintain

=> In this type all  
you need is an  
experienced administrator  
to maintain everything

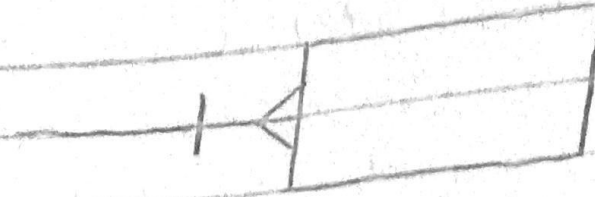
=> You don't need to  
worry about inconsistency  
etc which is another  
good act for maintaining  
your data with ease

#### 5) ER Diagrams:

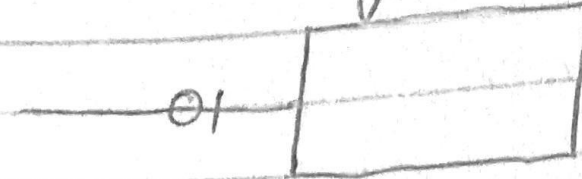


Mandatory on

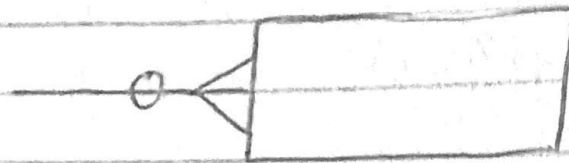
(u)



Mandatory Many



Optional one



Optional Many

## 6) Backup Need:

=> In data base we use a centralize shared data from many devices. So if some type of inaccuracy error etc occurs to avoid these situation we need to backup the data.

(5)

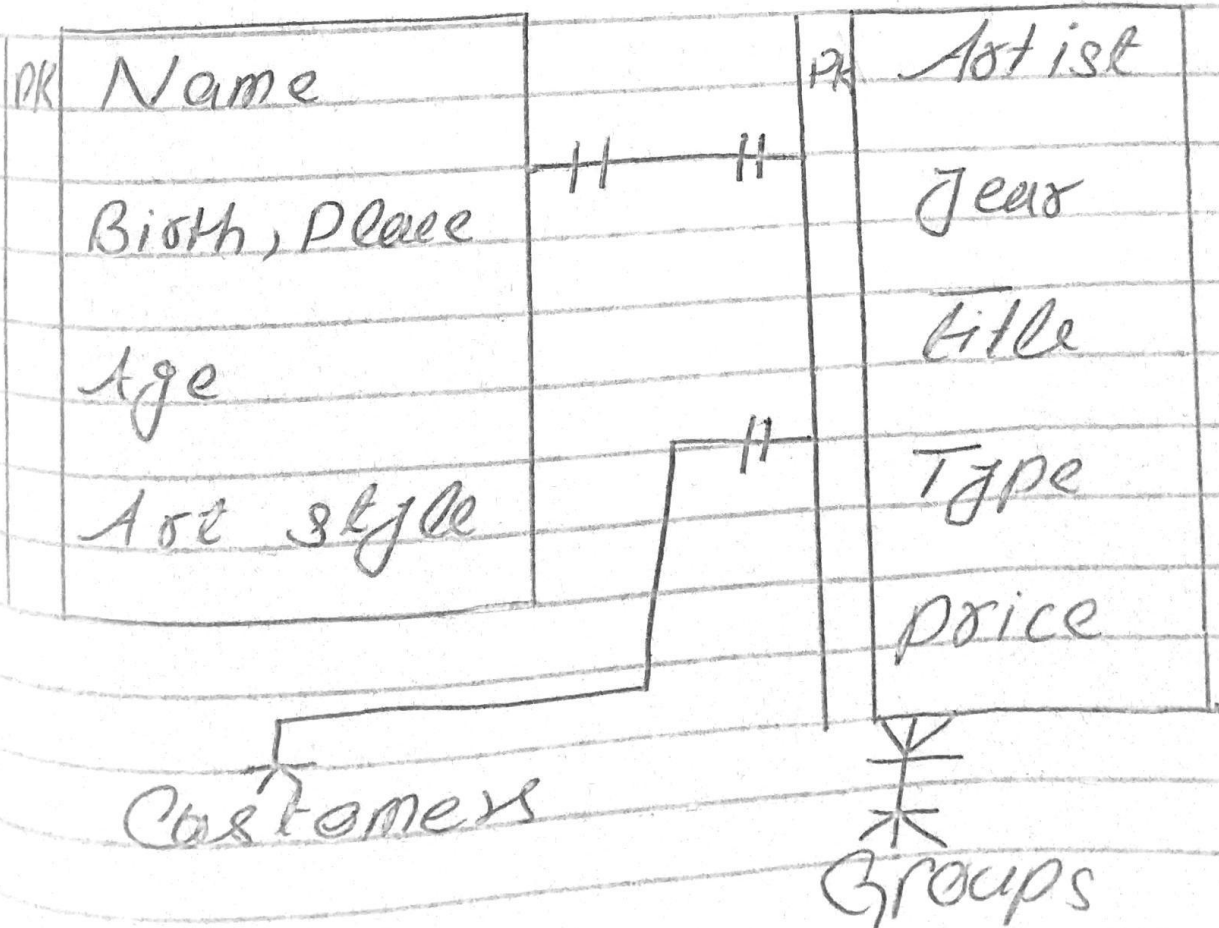
=> The backed up data can be use in future. So in this way we can protect and save our data from vanishing.

=> Also we can recover something we need from backup files.

Q: NO: 02:

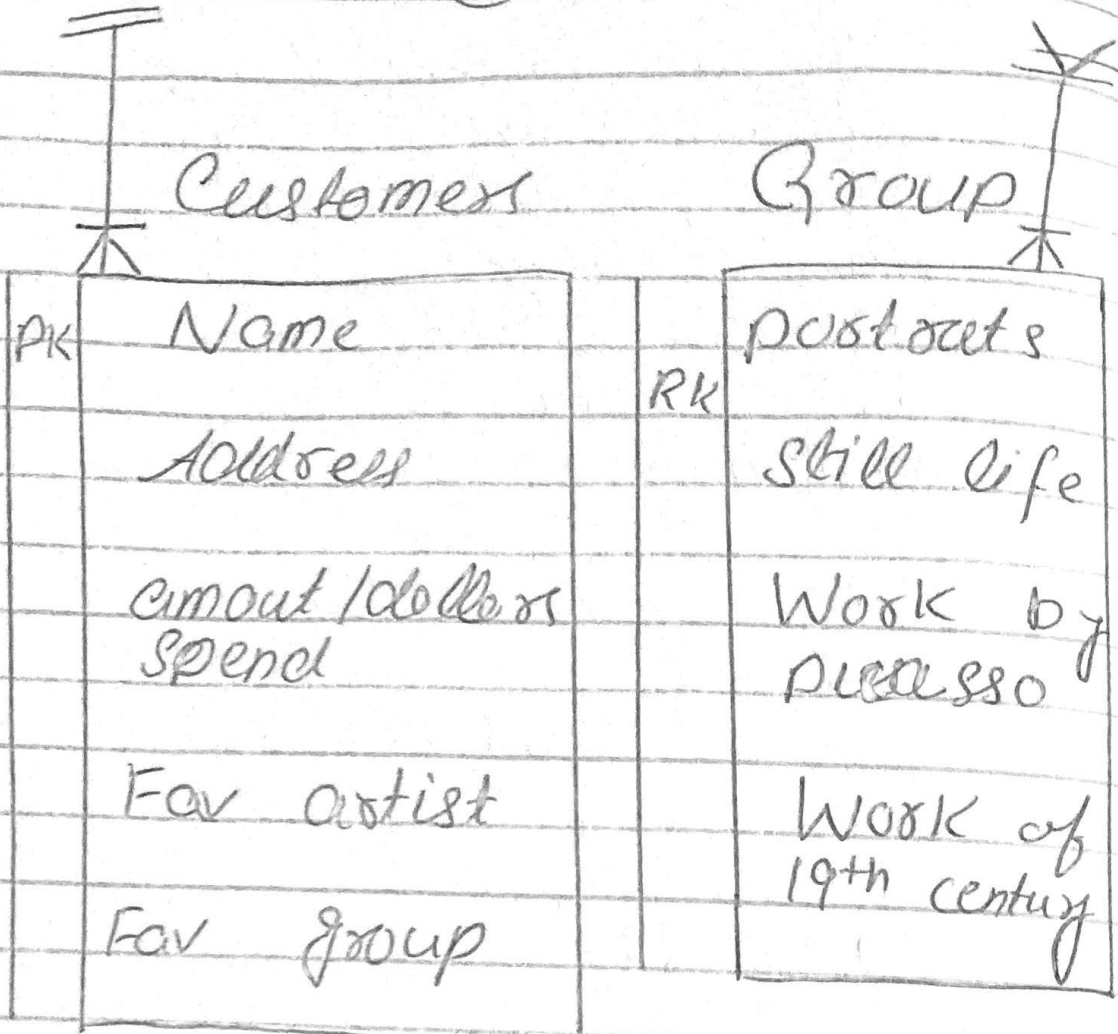
Artist

Art work





6



Q: NO: 03

7

# Student.

Seat id	Seat name	std Address
14590	Shahab	Dir (C)
14486	Haqale	Back h+shah
14512	ALI	Dir (C)

Files

# Seat

Seat No	Seat position
09	Center
10	Left center
11	Left corner

# Course

Name	Number
Networking	123 A
Database	456 B
MPL	789 D

takes

# Class

Course name	See no	Reg no	Class time
Networking	A	737	11-8 Am
Database	A	2325	15-2 Pm
MPL	A	2345	20-11 Am