

Zahid Notes

1st Year Computer Science Chapter 7: Database Fundamentals

Federal Board (FBISE) | Easy Revision Notes

EASY STYLE: Pehle aasan lafzon mein samajh, phir definition, phir short answers aur MCQs.

Ye notes practice aur revision ke liye apne lafzon mein likhe gaye hain. Ye official textbook ya board ka paper nahi hain. Har topic ko textbook se dobara zaroor parhna chahiye.

1. Chapter Summary - Aasan Lafzon Mein

Database aik organized tareeqa hai jis mein data ko is tarah rakha jata hai ke us ko dhoondhna, change karna aur use karna aasan ho. Bina database ke bara data sambhalna mushkil ho jata hai.

Database mein data tables mein rakha jata hai. Table mein rows hoti hain jin ko records kehte hain, aur columns hoti hain jin ko fields kehte hain. Har record aik mukammal entry hoti hai, jaise aik student ka poora record.

Primary key aik aisi field hoti hai jo har record ko unique pehchanti hai, jaise roll number. Do students ka roll number aik jaisa nahi hota, is liye is se har record alag pehchana jata hai.

2. Aham Definitions - Choti Aur Saaf

Database

Organized tareeqe se mehfooz kiya gaya data, jis ko aasani se dhoondha ja sake.

Table

Database mein data ki shakal, jis mein rows aur columns hoti hain.

Record

Table ki aik row, jo aik mukammal entry ko zahir karti hai.

Field

Table ka aik column, jo data ki aik khasiyat batata hai, jaise naam.

Primary Key

Wo field jo har record ko unique tor par pehchanti hai.

3. Short Questions With Short Answers

Q1. Database kya hai?

Organized tareeqe se rakha gaya data jis ko dhoondhna aur use karna aasan ho.

Q2. Record aur field mein farq kya hai?

Record aik poori row hoti hai, field aik column hoti hai jo aik khasiyat batati hai.

Q3. Primary key kyun zaroori hai?

Taake har record ko unique tor par pehchana ja sake.

Q4. Database ka aik faida batayein.

Bara data aasani se dhoondha, change aur mehfooz kiya ja sakta hai.

4. MCQs With Answers

1. Table ki row kehlati hai:

- A. Field
- B. Record
- C. Key
- D. Data

Correct answer: B

2. Unique pehchan ke liye use hoti hai:

- A. Field
- B. Table
- C. Primary Key
- D. Record

Correct answer: C

3. Database ka maqsad hai:

- A. Data kharab karna
- B. Data organized rakhna
- C. Data delete karna
- D. Data chhupana

Correct answer: B

5. Important Points Box

Table = rows + columns

Record = row, Field = column

Primary key = unique pehchan

6. 5-Minute Revision Checklist

- Table = rows + columns samajh aata hai?
- Record = row, Field = column samajh aata hai?
- Primary key = unique pehchan samajh aata hai?

Agar koi point mushkil lage, to us section ko dobara parho, phir MCQs khud hal karo.