INFO20003 Database Systems

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1 Data and Information

1.1 Data

Data is raw facts and figures.

1.2 Information

Information is data presented in a context that delivers valuable insights.

1.3 Databases

A database is a structured collection of data.

Advantages of databases include

- Data program independence
- Minimum redundancy (no duplicate data)
- More efficient data sharing
- More efficient data maintenance

1.4 SQL Create Table

```
CREATE TABLE Song (
    SongID INT,
    AlbumID INT NOT NULL,
    SongName VARCHAR(40) NOT NULL,
    PRIMARY KEY (SongID)
```

```
)

CREATE TABLE Album (
    AlbumID INT,
    AlbumName VARCHAR(40) NOT NULL,
    ReleaseDate DATETIME NOT NULL,
    PRIMARY KEY (AlbumID)
)
```