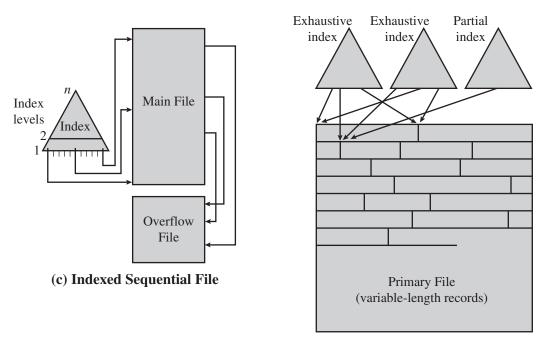


Variable-length records Variable set of fields Chronological order

Fixed-length records Fixed set of fields in fixed order Sequential order based on key field



(a) Pile File

(b) Sequential File

(d) Indexed File

Figure 12.3 Common File Organizations