

Software Design Basics, Analysis and Design Tools

Prepared by
Afifa Hoque

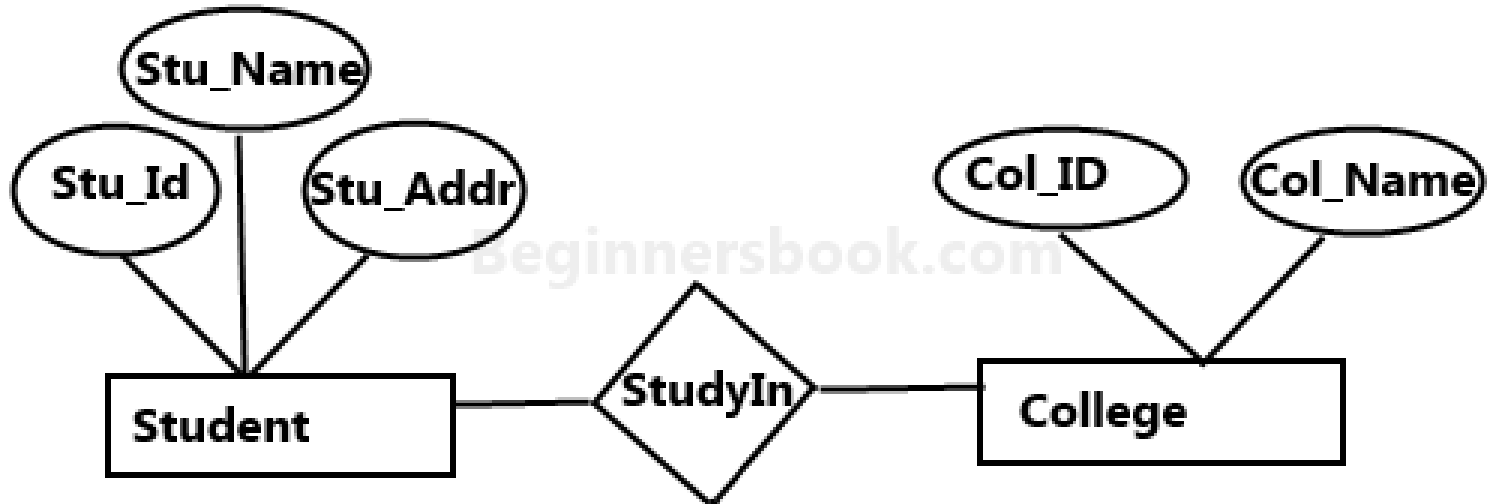
- Pseudocode is **an artificial and informal language that helps programmers develop algorithms**. Pseudocode is a "text-based" detail (algorithmic) design tool. The rules of Pseudocode are reasonably straightforward. All statements showing "dependency" are to be indented. These include while, do, for, if, switch.

Pseudocode

Want milk?

Conditions			Results
Pints of milk remaining	Credit card?	Cash in wallet	Go to store?
0	no	0	no
0	no	10	yes
0	yes	0	yes
0	yes	10	yes
1	no	0	no
1	no	10	no
1	yes	0	no
1	yes	10	no

Decision Table



Sample E-R Diagram

Entity Relationship Model

Attribute Name	Required	Format	Max Field Size	Location
Client Name	Yes	Text	20	/main/main_info.xls
Birth Date	Yes	Date	10	/main/main_info.xls
Savings	Yes	Lookup	10	/main/financial/savings.xls
Account Number	Yes	Number	30	/main/main_info.xls
Credit Card ID	No	Lookup	20	/main/credit_cards.xls
Loans	No	Lookup	10	/main/financial/loan.xls

Data Dictionary
