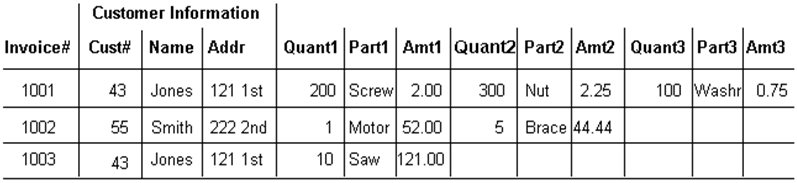
## Question 1

Relational schema diagram:



## Question 2 <<Option>>



1. Normalize that table structure to the first, second and third normalization forms

* 1NF:
* INVOICE(INVOICE\_ID,CUSTOMER\_ID,CUSTOMER\_NAME, CUSTOMER\_ADDRESS)
* INVOICE\_ITEM(INVOICE\_ID,QUANT,PART,AMT)
* 2NF:
* INVOICE(INVOICE\_ID,CUSTOMER\_ID,CUSTOMER\_NAME, CUSTOMER\_ADDRESS)
* PRODUCT(PRODUCT\_ID,PRODUCT\_NAME,PRODUCT\_PRICE)
* INVOICE\_ITEM(INVOICE\_ID,QUANT, PRODUCT\_ID,AMT)
* 3NF:
* CUSTOMER(CUSTOMER\_ID, CUSTOMER\_NAME,CUSTOMER\_ADDRESS)
* INVOICE(INVOICE\_ID,CUSTOMER\_ID)
* PRODUCT(PRODUCT\_ID,PRODUCT\_NAME,PRODUCT\_PRICE)
* INVOICE\_ITEM(INVOICE\_ID,QUANT, PRODUCT\_ID,AMT)

1. Relational schema diagram in the third normalization:

