

--1. if/else is used to make decisions  
--2. product weights can be set, but not to a negative  
--3. digital product, a weight of 0 makes sense  
--4. physical product should have a weight  
--5. set the weight of a product with a particular id

sp\_columns 'Product'--6. run this to look at the structure of a table  
go

--7. we're storing information on physical products

alter procedure SetWeight

    @ProductID int,

    @Weight decimal

as

if @Weight>0 --8. checks to ensure input is sensible

    update Production.Product

        set weight=@Weight

    where ProductID=@ProductID

else --9. runs when user tries calling proc. with a value like -20

    Print 'Weight Must Exceed 0'

go

--10. line below results in 'Weight Must Exceed 0' because of the if

SetWeight @ProductID=4, @Weight=-10