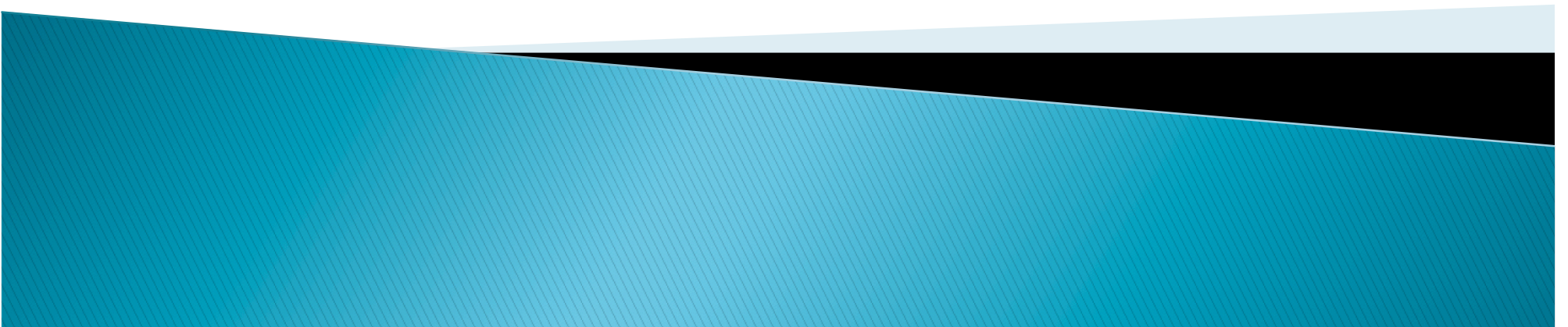


Databases: Custom Calculation, If-else statement and Crosstab Query

TA: Shreya Rawal



Create the following table

<u>Book_ID</u>	Book_Name	Author	Publisher	Price_CAD	In_Stock
1	The Lost Symbol	Dan Brown	ABC	46	Y
2	Digital Fortress	Dan Brown	DEF	25	Y
3	A Thousand Splendid Suns	Khaled	ABC	45	N
4	Rage of Angles	Sydney Sheldon	ABC	12	N
5	Da Vinci Code	Dan Brown	DEF	25	Y
6	If tomorrow comes	Sydney Sheldon	ABC	15	Y
7	Kite Runner	Khaled	PQR	32	Y

Book_ID is primary key

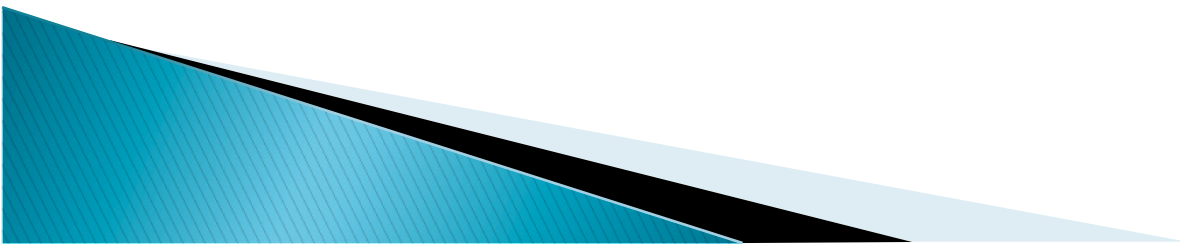
Default value for Author is "Unknown"

Default value for Price is 0



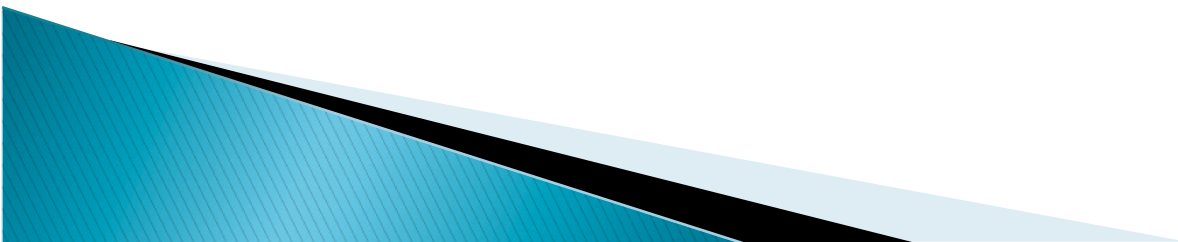
Cross tab

- ▶ Author as Row Heading
- ▶ Publisher as Column Heading
- ▶ Average of the Price



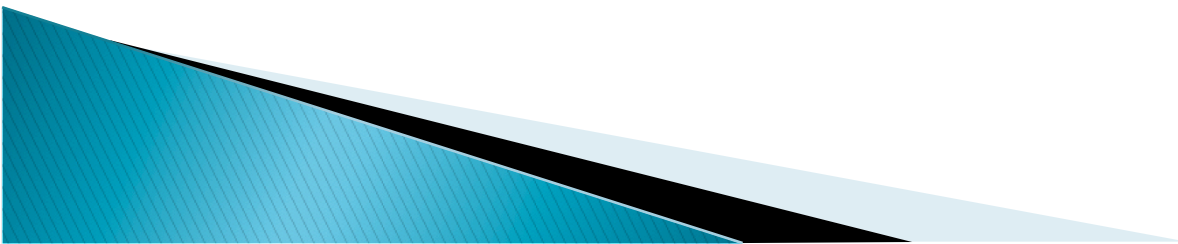
Custom Calculation

- ▶ To display Book_Name, Author, Price_CAD and Price_EURO
- ▶ Create a new column Price_Euro that calculates the price of the book in Euros using the formula
 - Price_Euro: $\text{Price_CAD} * 0.649$



IF – Else statement

- ▶ Create new a column “Cost”
 - If Price_CAD \leq 15 then values of Cost is “Low”
 - If Price_CAD $>$ 15 but \leq 25 value of Cost is “Medium expensive”
 - If Price_CAD $>$ 25 value of Cost is “Expensive”



Solution

Cost: IIF (Price_CAD \leq 15, "Low", IIF(Price_CAD \leq 25, "Medium Expensive", "Expensive"))

