
TP N°1 - Tables in Microsoft Access

Part 1

- 1- Create a new folder under your name and group.
- 2- Create a blank database under the name «TP1».
- 3- Create the «Customers» table that contains the following fields:

Field Name	Data Type
Customer ID	AutoNumber
First Name	Text
Last Name	Text
Email	Text
Phone	Text
Address	Text
Notes	Text

- 4- Create the «Orders» table that contains the following fields:

Field Name	Data Type
Order ID	AutoNumber
Customer ID	Number
Order Date	Date/Time
Ordered Quantity	Number
Revenue	Currency
Order Filled	Yes/No
Revenue Per Unit	Number

Part 2

- 1- Change the data type of the field «Revenue Per Unit» to Calculated using the division 'Revenue / Ordered Quantity'.
- 2- The «Phone» field in the Customers table must contain 10 digits.
- 3- The size of the field «Address» is 50.
- 4- Put 'example@gmail.com' as a default value for the «Email» field in the Customers table.

- 5- Put the email validation as «Like ‘’*?@?*.?*?’’» in the validation rule property of the «Email» field.
- 6- Add the «Age» field to the Customers table as a number data after the «Phone» field.
- 7- Add the «Category» field to the Customers table as a text data after the «Address» field, and change it to ‘Combobox’ in the Lookup list.
- 8- The field «Order Date» must be a complete date.
- 9- Add an input mask (password) for the «Phone» field.
- 10- Add a test for the «Revenue» field values such as ≥ 0 , then add the following error message: ‘The revenue can’t be a negative number’.
- 11- Change the format of «Order Date» as: dd/mm/yy.
- 12- Set an input mask for the «Phone» as: (+213) 00-0000-0000.
- 13- The field size of «First Name» is 30 start with a capital letter and the rest with small letters.
- 14- The field size of «Last Name» is 20, and it is all displayed by capital letters.
- 15- Set «Revenue» field with 2 decimal places.
- 16- Enter the following records in the Customers table:

Customer ID	First name	Last name	Email	Phone	Age	Address	Notes
1	Mohamed	Askri	mohamed_askri@gmail.com	(+213) 06-0976-4576	19	123 Main street	...
2	Lina	Soltani	lina_soltani@hotmail.fr	(+213) 07-9708-2314	19	321 Main street	...
3	Mohamed Mousadek	Gouacem	gouacem@gmail.com	(+213) 05-5786-5658	21	435 Side street	...
4	Wissal	Seboula	wissal_seboula@gmail.com	(+213) 06-4675-5657	19	66 Main street	...
5	Skander Ahmed Kosay	Maache	skandar_ahmed@gmail.com	(+213) 07-4567-6578	19	867 Back street	...

- 17- Enter the following records in the Orders table:

Order ID	Customer ID	Order date	Ordered Quantity	Revenue	Order Filled	Revenue Per Unit
1	3	15/11/2023	47	29 \$	yes	19
2	2	23/09/2022	53	34 \$	no	19
3	1	01/01/2021	80	28 \$	yes	21
5	3	10/10/2023	20	30 \$	yes	19

- 18- Export data from previous table to Excel, leave the same name.

Input Mask sheet

Character	Notes
0	Must enter a digit 0-9
9	May enter a digit 0-9
#	May enter a digit, space, plus or minus sign. Blank space if skipped.
L	Must enter a letter
?	May enter a letter
A	Must enter a letter or digit
a	May enter a letter or digit
&	Must enter a character or space
C	May enter characters or spaces
.,:./	Decimal, thousands, date, time placeholders. Regional settings
\	Characters immediately following displayed literally
“ ”	Characters enclosed displayed literally
>	Converts letters to uppercase
<	Converts letters to lowercase
!	Characters fill from left to right