**Tableau Download & Install**

In case you have not installed tableau, please check the below instructions

\*Download Links\*

\*Mac\* - <https://www.tableau.com/en-us/downloads/public/mac>

\*Windows\* - <https://www.tableau.com/en-us/downloads/public/pc64>

After you download,

\_- Open the file\_

\_- Accept the terms & conditions\_

\_- Click on install\_

**Power BI Download & Install**

In case you have not installed Power BI, here is the link :-

<https://www.microsoft.com/en-us/download/details.aspx?id=58494>

Click on download

Select x64

Click on download

install it

**Raw Dataset**

<https://drive.google.com/uc?export=download&id=1za-vi7H3CF_NcXK-lM3iFEcHcI0HqY9f>

**Chatgpt**

<https://chat.openai.com/>

**Prompt 1**

Create an excel formula to give values "Delay" if the difference of dates in cell c2 and b2 in days is greater than 4 otherwise the value should be "On time"

**Solution 1**

=IF(DATEDIF(B2, C2, "d") > 4, "Delay", "On time")

**Prompt 2**

write an excel formula to extract name from email id in f2 with @ as a seperator

**Solution 2**

=LEFT(F2, FIND("@", F2) - 1)

**Prompt 3**

I have comma separated values in G2. Write 3 excel formula to extract the values as comma as a separator in H2, I2 and J2

**Solution 3**

H2

=LEFT(G2, FIND(",", G2) - 1)

I2

=MID(G2, FIND(",", G2) + 1, FIND(",", G2, FIND(",", G2) + 1) - FIND(",", G2) - 1)

J2

=MID(G2, FIND(",", G2, FIND(",", G2) + 1) + 1, LEN(G2) - FIND(",", G2, FIND(",", G2) + 1))

**Final Dataset**

<https://drive.google.com/uc?export=download&id=1Fypty-6maIEB4rrZRMnWEaC2_P4ZswvS>

**SQL - Structured Query Language**

**SQL is used to interact with the data in the database**

**CRUD Operations**

**C - Creating new data in the database**

**R - Reading the data**

**U - Updating the data**

**D - Deleting the data**

**Lesson 1**

<https://sqlbolt.com/lesson/select_queries_introduction>

**select** title from movies ;

select director from movies ;

select title, director from movies ;

select title, year from movies ;

select **\*** from movies ;

**Lesson 2**

<https://sqlbolt.com/lesson/select_queries_with_constraints>

SELECT \* FROM movies

where id is 6 ;

SELECT \* FROM movies

where year between 2000 and 2010 ;

SELECT \* FROM movies

where year not between 2000 and 2010 ;

SELECT \* FROM movies

limit 5 ;

**Lesson 3**

<https://sqlbolt.com/lesson/select_queries_with_constraints_pt_2>

SELECT \* FROM movies

where title like "Toy Story%" ;

SELECT \* FROM movies

where director is "John Lasseter" ;

select \* FROM movies

where director is not "John Lasseter" ;

select \* FROM movies

where title like "WALL%" ;

**Lesson 4**

<https://sqlbolt.com/lesson/filtering_sorting_query_results>

SELECT distinct director FROM movies

order by director asc ;

SELECT \* from movies

order by year desc

limit 4;

SELECT \* from movies

order by title asc

limit 5;

SELECT \* from movies

order by title asc

limit 5 offset 5 ;

**Lesson 5**

<https://sqlbolt.com/lesson/select_queries_review>

SELECT \* FROM north\_american\_cities

where country = "Canada" ;

select \* from north\_american\_cities

where country = "Mexico"

order by population desc

limit 2 ;

select \* from north\_american\_cities

where country = "United States"

order by population desc

limit 2 offset 2 ;