

Assignment - SQL - [Major]

Grading			
Event	Decoding Skills	Number of question not attempted	Overall Output
Assignment	0- If the learner does not submits the assignment or if he tried to attempt it but the applied hypothesis is wrong or showing an error. 10- If the learner clearly decodes the given data set or questions by performing the tasks defined in the question	0 - If the learner does not solves any questions or solves less then 40% of the assignment correctly. 5 - If the learner successfully solves between 40-80% of the given questions. 10- If the learner solves 80-100% of the questions correctly	0-If the output presented is completely wrong. 5- If the given output is partially correct along with incorrect presentation. 10- If all the answers are attempted correctly along with presentation skills

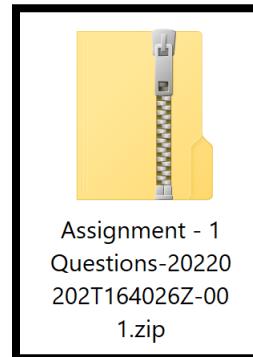
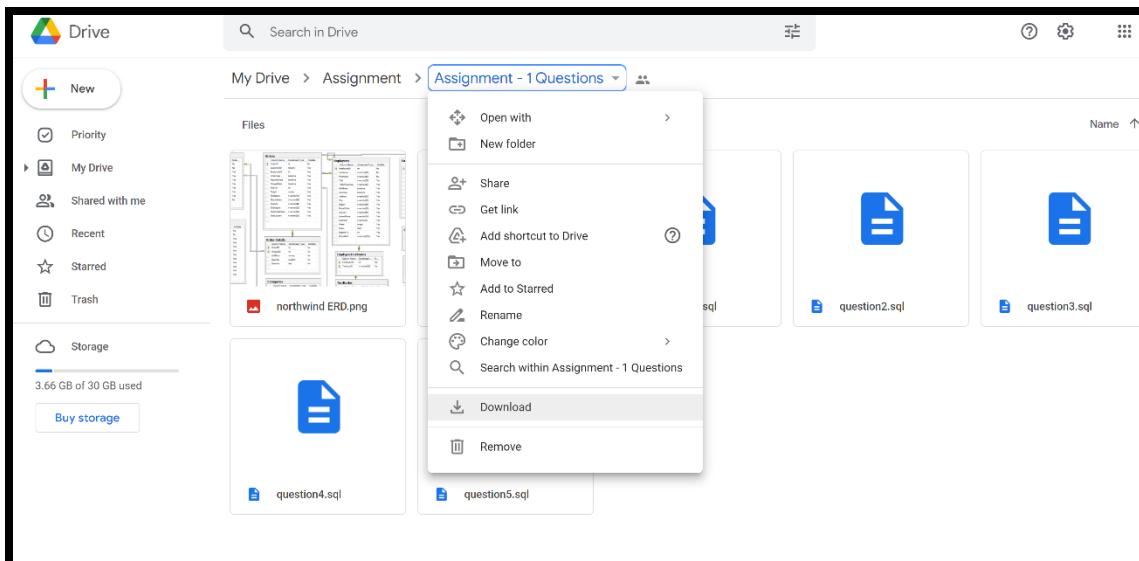
1. Need the full details of shipment so select Order ID, Ship ID, Shipping_Cost, Ship_date from the database.
2. Provide the customer name, city, state and the order ID and order quantity they ordered.
3. Provide the product details like order Id, shipment ID whose shipment mode is Regular air.
4. From order_dimen table order having order_priority as Critical and High change it to immediate delivery and all other to normal delivery.
5. Provide all the details of customers which are from West Bengal.
6. Provide the order details like odr_id, prod_id, ship_id, cust_id whose discount is more than 0.05 and order_quantity is more than 10.
7. Create a table shipping_mode_dimen having columns with their respective data types as the following:
 - (i) Ship_Mode VARCHAR(25)
 - (ii) Vehicle_Company VARCHAR(25)
 - (iii) Toll_Required BOOLEAN

8. Make 'Ship_Mode' as the primary key in the above table.
9. Insert two rows in the table created above having the row-wise values:
 - (i) 'DELIVERY TRUCK', 'Ashok Leyland', false
 - (ii) 'REGULAR AIR', 'Air India', false
10. Add another column named 'Vehicle_Number' and its data type to the created table.
11. Update its value to 'MH-05-R1234'.
12. Print the names of all customers who are either corporate or belong to Mumbai.
13. Find the total number of sales made.
14. What are the total numbers of customers from each city?
15. List the customer names in alphabetical order.
16. Print the three most ordered products.
17. Which month and year combination saw the most number of critical orders?
18. Find the most commonly used mode of shipment in 2011.
19. Print the name of the most frequent customer.
20. Find all low-priority orders made in the month of April. Out of them, how many were made in the first half of the month?
21. Rank the orders made by Aaron Smayling in the decreasing order of the resulting sales.
22. For the above customer, rank the orders in the increasing order of the discounts provided. Also display the dense ranks.
23. Rank the orders in the increasing order of the shipping costs for all orders placed by Aaron Smayling. Also display the row number for each order.

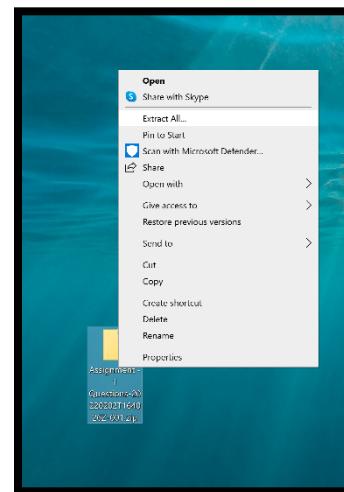
How to Download Assignment Folder

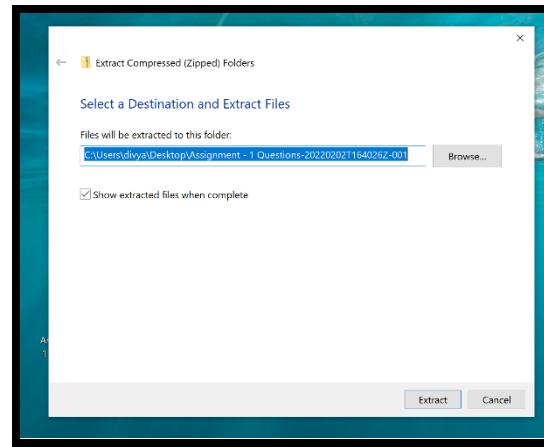
Steps:

1. Go to the given [link](#) and then, click on Download

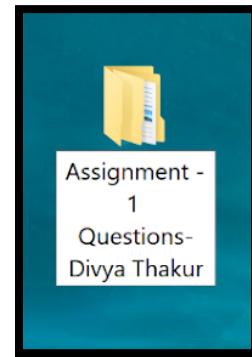
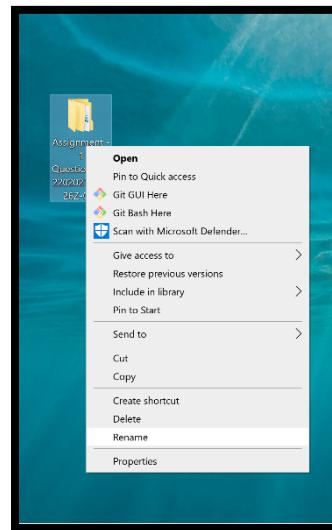


2. A zip folder will get downloaded. Right click on the zip folder and select **Extract All**





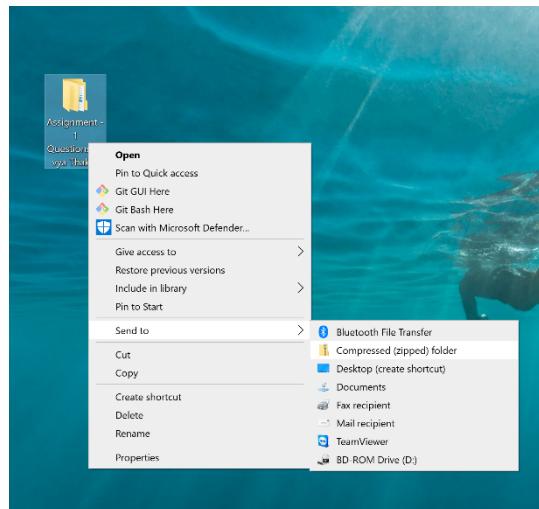
3. Rename the file to include your name



How to submit the Assignment?

Steps:

- Make a zip file of your folder after you have answered all the five questions

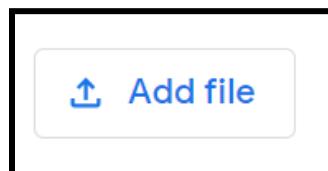


Process for Submission

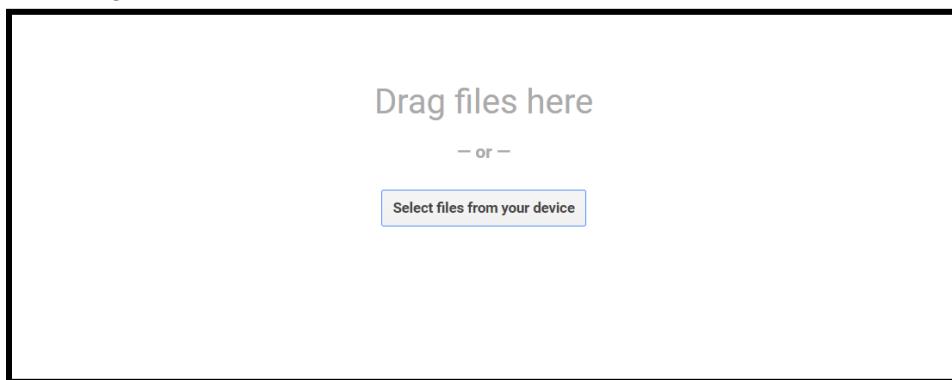
Please upload your assignment files via this [Google Form](#) before the deadline (19th Sep, 2022 11:59 pm).

Steps to submit the assignment:

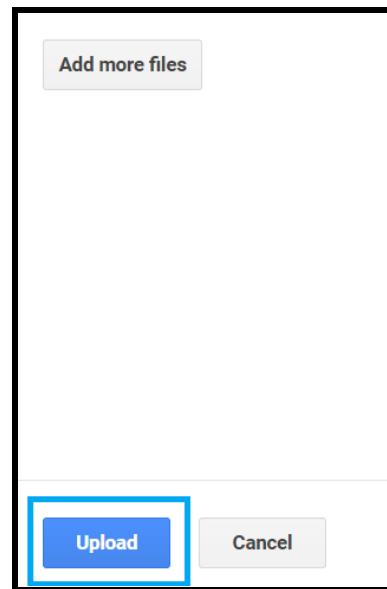
1. Open the [Google Form](#).
2. Enter your email id, name, assignment name.
3. And upload the assignment file by clicking the Add file button.



4. You can upload the file by clicking **Select file from your device** or by dragging the file and dropping it in the window opened.



5. Select your assignment file and click the **Open** button.
6. After selecting the file click on the **Upload** button.



- Once the file is uploaded, click on the Submit button.

