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| [InterviewQs](http://url4828.interviewqs.com/ls/click?upn=qwT-2Bl0U064-2B7oRNpPgUya7ecPmGRwE2khpP-2F5cNr-2FmX-2B6PqYxRHzWlRa-2B8ecgLBA9-2BqgBN6N-2BlN6LynvPDDX8gP5GJnL7P-2FdFw86KOd0IkE-3DgSQa_IX5HKWnhXeILdZHF1orS-2BlB9GK8lB7SYfPoy-2FMuH4KRohMZLpajhsnIOVcXh9Dl1-2FEM0gexeUVi2uV8saiYk-2BIoemGnh34m-2BtT-2BROOE0Lc-2Bkopd6Z27bKGuv7dOuQ73sXkNsOgMybAyt1cBiJAwdfrsAeeJh5bJa8Hot90W16qZ7R-2BtpW-2FgA186GOcU67cb6aNEQWUO4EIrDhkVLseDmYaVBnBktwC8G27fnpjYhk3tFnWar07Jucqg6dGEtvBJl4SqKS1U5FOFtYfabvuP3rJ8CKBwwh-2ByescgHjZ7wf-2FrrD9N6JYjjV5MyXej4bgAka-2FbBFuxgAlpKiqDs6xYVzmyMR40oB2GzxK2nZp5VNmFlD0aWd3s3yIb-2FsARa1JaV) |

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| **Breaking down customer transactions in SQL** |

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| |  | | --- | |  |   ***SQL, Database Querying, Window Function*** |

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| Hi,  Given the following table containing customer transaction data:  Table name: orders |

|  | **order\_id** | **channel** | **date** | **month** | **revenue** |
| --- | --- | --- | --- | --- | --- |
| **0** | 1 | Online | 2018-09-01 | 09 | 100 |
| **1** | 2 | Online | 2018-09-03 | 09 | 125 |
| **2** | 3 | In\_store | 2018-10-11 | 10 | 200 |
| **3** | 4 | In\_store | 2018-08-21 | 08 | 80 |
| **4** | 5 | Online | 2018-08-13 | 08 | 200 |
| **5** | 6 | Online | 2018-10-29 | 10 | 100 |

Write SQL queries to answer the following:

* Return all rows in the data table with transaction values over $101.
* Return all rows in the data table with transaction values over $101 that were purchased through the Online channel.
* Return all rows in the data table with transaction values that were either over $101 OR were purchased In\_store.
* Return the minimum transaction amount for both channels as well as the corresponding order id.

Solution:

1. Return all rows in the data table with transaction values over $101.



1. Return all rows in the data table with transaction values over $101 that were purchased through the Online channel.



1. Return all rows in the data table with transaction values that were either over $101 OR were purchased In\_store.



1. Return the minimum transaction amount for both channels as well as the corresponding order id.

