**Lista de Exercícios Back End – LiveHelp 01/08/20**

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**Questionário**

**Questão 01**

**select**

purpose,

**trunc**(**avg**((end\_date - start\_date)),2)

**from** uber\_drives

**group** **by** purpose;

**Questão 02**

**select**

purpose,

**trunc**(**avg**(miles),2)

**from** uber\_drives

**group** **by** purpose

**Questão 03**

**select**

category,

**count**(category)

**from** uber\_drives

**group** **by** category

**order** **by** **count**(category) **desc**

**Questão 04**

**select** **distinct**

"start"

**from** uber\_drives

**where** "start" <> stop

**Questão 05**

**select** **distinct**

stop

**from** uber\_drives

**where** stop <> "start"

**Questão 06**

**select**

**max**(miles),

**min**(miles)

**from** uber\_drives

**Questão 07**

**a)**

**select** **distinct** purpose

**from** uber\_drives

**b)**

**select**

purpose,

**count**(purpose)

**from** uber\_drives

**group** **by** purpose

**c)**

**select**

purpose,

**count**(purpose)

**from** uber\_drives

**where** purpose **is** **not** **null**

**group** **by** purpose

**order** **by** **count**(purpose) **desc**

**d)**

**select** \*

**from** (**select**

purpose,

**count**(purpose) **as** contagem

**from** uber\_drives

**where** purpose **is** **not** **null**

**group** **by** purpose

**order** **by** **count**(purpose) **desc**) **as** tabela1

**where** tabela1.contagem **between** 100 **and** 170

**e)**

**select** \*

**from** uber\_drives

**where** purpose **in**

(**select** tabela1.prop1

**from** (**select**

purpose **as** prop1,

**count**(purpose) **as** contagem

**from** uber\_drives

**where** purpose **is** **not** **null**

**group** **by** purpose

**order** **by** **count**(purpose) **desc**) **as** tabela1

**where** tabela1.contagem **between** 100 **and** 170)

**f)**

**select** **count**(\*) **as** viagens

**from** uber\_drives

**where** purpose **in**

(**select** tabela1.prop1

**from** (**select**

purpose **as** prop1,

**count**(purpose) **as** contagem

**from** uber\_drives

**where** purpose **is** **not** **null**

**group** **by** purpose

**order** **by** **count**(purpose) **desc**) **as** tabela1

**where** (tabela1.contagem **between** 100 **and** 170) **and**

miles **between** 5 **and** 10)

**g)**

**select** \*

**from**

(**select** \*

**from** uber\_drives

**where** purpose **in**

(**select** tabela1.prop1

**from** (**select**

purpose **as** prop1,

**count**(purpose) **as** contagem

**from** uber\_drives

**where** purpose **is** **not** **null**

**group** **by** purpose

**order** **by** **count**(purpose) **desc**) **as** tabela1

**where** (tabela1.contagem **between** 100 **and** 170) **and**

miles **between** 5 **and** 10)) **as** tabela2

**where** **date\_part**('hour', tabela2.end\_date) - **date\_part**('hour', tabela2.start\_date) <= 1

**order** **by** tabela2.start\_date

**limit** 5

**h)**

**select** \*

**from**

(**select** \*

**from** uber\_drives

**where** purpose **in**

(**select** tabela1.prop1

**from** (**select**

purpose **as** prop1,

**count**(purpose) **as** contagem

**from** uber\_drives

**where** purpose **is** **not** **null**

**group** **by** purpose

**order** **by** **count**(purpose) **desc**) **as** tabela1

**where** (tabela1.contagem **between** 100 **and** 170) **and**

miles **between** 5 **and** 10)) **as** tabela2

**where**

**date\_part**('hour', tabela2.end\_date) - **date\_part**('hour', tabela2.start\_date) <= 1 **and**

tabela2."start" <> 'Unknown Location' **and**

tabela2.stop <> 'Unknown Location' **and**

"start" <> stop

**order** **by** tabela2.start\_date

**limit** 5

**i)**

**select** \*

**from**

(**select** \*

**from** uber\_drives

**where** purpose **in**

(**select** tabela1.prop1

**from** (**select**

purpose **as** prop1,

**count**(purpose) **as** contagem

**from** uber\_drives

**where** purpose **is** **not** **null**

**group** **by** purpose

**order** **by** **count**(purpose) **desc**) **as** tabela1

**where** (tabela1.contagem **between** 100 **and** 170) **and**

miles **between** 5 **and** 10)) **as** tabela2

**where**

**date\_part**('hour', tabela2.end\_date) - **date\_part**('hour', tabela2.start\_date) <= 1 **and**

tabela2."start" <> 'Unknown Location' **and**

tabela2.stop <> 'Unknown Location' **and**

"start" <> stop **and** (

**date\_part**('year', start\_date) = 2016

**and** **date\_part**('month', start\_date) = 3

**and** **date\_part**('day', start\_date) **between** 1 **and** 15

)

**order** **by** tabela2.start\_date

**limit** 5

**j)**

**select** \*

**from**

(**select** \*

**from** uber\_drives

**where** purpose **in**

(**select** tabela1.prop1

**from** (**select**

purpose **as** prop1,

**count**(purpose) **as** contagem

**from** uber\_drives

**where** purpose **is** **not** **null**

**group** **by** purpose

**order** **by** **count**(purpose) **desc**) **as** tabela1

**where** (tabela1.contagem **between** 100 **and** 170) **and**

miles **between** 5 **and** 10)) **as** tabela2

**where**

**date\_part**('hour', tabela2.end\_date) - **date\_part**('hour', tabela2.start\_date) <= 1 **and**

tabela2."start" <> 'Unknown Location' **and**

tabela2.stop <> 'Unknown Location' **and**

"start" <> stop **and** (

**date\_part**('year', start\_date) = 2016

**and** **date\_part**('month', start\_date) = 3

**and** **date\_part**('day', start\_date) **between** 1 **and** 15

)

**order** **by** miles **desc**

**limit** 1