**Please read the instructions below before you start**

* Run **MySQL server** on your machine either with MySQL installed for your operating system (see [MySQL.com](https://www.mysql.com/downloads/)) or for example by running **Docker MySQL** containers on your machine e.g. [from official MySQL Docker images](https://hub.docker.com/_/mysql/).
* You can use either MySQL version 5.x or version 8.x (but please state which you have used).
* **Load a MySQL dump file** to build a schema containing data tables that you will work from to create your challenge solution. *The sample data supplied for the challenge is only a few hundred rows.*
* Build and run SQL queries against the database to build your solution. If you prefer to use a graphical interface rather than the command line MySQL client, [MySQL Workbench](https://dev.mysql.com/doc/workbench/en/wb-intro.html) is an option.

**For this challenge, of the files provided to you, ONLY those listed here are editable.**

* answers.sql

**You can add files to your submission, but only edit the files specified**

**Please read these instructions carefully before starting to code:**

* When you assemble your code challenge solution for submission please create it as a **ZIP file**.
* Please do NOT include generated files in your submitted solution.

In **Candytastic**, users buy virtual currency (**GeekCoins**) with real money (**GBP**), and then use **GeekCoins** to buy virtual items. The challenge base code that you have downloaded contains a SQL dump file (**geektastic\_mysql\_dump.sql**) that creates two tables:

* a row is added to geekcoin\_wallet\_transaction each time a user converts real money to **GeekCoins**
* a row is added to in\_game\_item\_purchase each time a user buys a virtual item with **GeekCoins**.

To complete the challenge, create SQL queries that will answer the following questions:

1. How much revenue (in GBP) and how many spenders did each game have for each day?
2. How many of each item was sold on each day, and how much revenue (in GBP) did each item generate on each day?
3. Which items do users buy first, after having converted real money to **GeekCoins** for the first time? Answer for each user, including the time and amount of their first conversion of real money into **GeekCoins**, and also the time and which item was purchased first after this transaction.

**IMPORTANT**

* ***For each question provide a single executable query that shows the relevant values for all available data.***
* ***Your SQL queries should execute correctly on the provided schema and data.***
* ***Please indicate in your submission which MySQL version you used.***

If any of the instructions is unclear, please make a reasonable assumption and document here with comments regarding the overall content and difficulty of the project provided.

**We have provided a template answers.sql in which to insert your SQL solution to each question.**