***Requirements***

* **Can only use built in python modules**
* **package\_data must use a hash table**
* Each truck can carry a maximum of 16 packages, and the ID number of each package is unique. The trucks travel at an average speed of 18 miles per hour and have an infinite amount of gas with no need to stop.
* There are no collisions.
* Three trucks and two drivers are available for deliveries. Each driver stays with the same truck as long as that truck is in service.
* Drivers leave the hub no earlier than 8:00 a.m., with the truck loaded, and can return to the hub for packages if needed.
* The delivery and loading times are instantaneous, i.e., no time passes while at a delivery or when moving packages to a truck at the hub (that time is factored into the calculation of the average speed of the trucks).
* There is up to one special note associated with a package.
* The delivery address for package #9, Third District Juvenile Court, is wrong and will be corrected at 10:20 a.m. WGUPS is aware that the address is incorrect and will be updated at 10:20 a.m. However, WGUPS does not know the correct address (410 S State St., Salt Lake City, UT 84111) until 10:20 a.m.
* The distances provided in the Distance Table are equal regardless of the direction traveled.
* The day ends when all 40 packages have been delivered.
* Use a comment to Identify the self-adjusting algorithm
* Comment the time complexity throughout the project
* Use comments throughout the project to explain the process

**In the Main Module**

Main method needs an console interface that prints package information at user input time, give user the option to look up packages by:

Developing a look-up function that takes the following components as input and returns the corresponding data elements:

•   package ID number

•   delivery address

•   delivery deadline

•   delivery city

•   delivery zip code

•   package weight

•   delivery status (i.e., “at the hub,” “en route,” or “delivered”), including the delivery time