**The first part is the package**

* **psutil: for obtaining system processes information**
* **openpyxl: for reading and writing Excel files**
* **os: for operating system dependent functionality**
* **telebot: for creating the Telegram bot**
* **datetime: getting time**

**The second part is class**

**ProcessInfo class**

**A refresh function, used to obtain the serial number, name, occupied memory, creation time, etc. of the process,** **Merge processes with the same name, such as multiple pages of a browser**

**Create an excel file, write the obtained process data into it, and filter it, only write the process that occupies more than 1% of the system memory to prevent interference caused by too many processes**

**ProcessClassification class**

**A classification function that compares the game name stored in games.txt with the process name to determine whether the application is a game, and screens out processes that occupy more than 10% of the system memory for judgment**

**Two functions are used to add or remove game names from games.txt**

**A function to read the game name from games.txt**

**A function to write process information to excel file**

**Shutdown class**

**for shutting down the computer**

**The robot has six commands**

**ProcessInfo class**

* **Create a constructor method that initializes an empty process\_list attribute**
* **Create a refresh method that updates the process\_list attribute by obtaining process information using psutil**
* **Create a write\_to\_excel method that writes the process information to an Excel file**
* **Use the openpyxl package to create a new workbook and set its active sheet**
* **Create a header row for the Excel file**
* **Loop through the process information, grouping by process name**
* **Calculate the total memory percent for all processes with the same name**
* **Use the first process in the list to get the other information (since it will be the same for all processes with the same name)**
* **Append the process information to the Excel file**
* **Save the Excel file**

**Create a ProcessClassification class**

* **Create a constructor method that initializes a classification\_dict attribute containing a dictionary with a 'game' key and a value obtained by reading a list of game names from a file**
* **Create a classify\_processes method that takes a ProcessInfo object as input and returns a list of processes classified as 'game'**
* **Create an add\_game\_process method that adds a game to the 'game' classification**
* **Create a remove\_game\_process method that removes a game from the 'game' classification**
* **Create a read\_game\_names method that reads the list of game names from a file**
* **Create a write\_game\_names method that writes the list of game names to a file**

**Create a Shutdown class**

* **Create an empty constructor method**
* **Create a shutdown method that shuts down the computer using the os package**

**Load environment variables**

* **Load the BOT\_TOKEN environment variable**

**Create a Telegram bot**

* **Create a telebot object using the BOT\_TOKEN**
* **Create a ProcessInfo object and a ProcessClassification object**

**Create message handlers for each command**

* **Create a send\_welcome function that sends a welcome message and a list of available commands**
* **Create a send\_** **Processlist function that sends an Excel file containing the current list of running processes**
* **Create a send\_filtered\_** **Processlist function that sends a list of running game processes**
* **Create an add\_game function that adds a game to the 'game' classification**
* **Create a remove\_game function that removes a game from the 'game' classification**
* **Create a shutdown function that shuts down the computer**

**Register message handlers with the bot**

* **Use the bot.message\_handler method to register each message handler with the bot.**