

An automobile servicing workshop provides car maintenance and repair services to its customers. Everyday, the manager of the workshop records the car number, labour charge and cost of parts after servicing each car. The manager needs a program to bill his customers. The bill is subject to 6% of government tax. Finally, he would to record all these details in a text file. Write a Python program with following functions in order to meet his requirement:

- i. A function called `getDailyService` that reads in car number, labour charge and cost of parts after servicing each car for a particular day. The function should store all these values in a *list* called `service` and return it.
- ii. A function called `calculateDailyBill` that accepts `service list` and calculate total bill for each car for a particular day. Every bill should include 6% of government tax. The function should store the bill amount of each car serviced for a particular day in a *list* called `bill` and return it.
- iii. A function called `weeklyService` that calls the `getDailyService` function for 7 days. The `calculateDailyBill` function should also be called after calling the `getDailyService` function to calculate the bill for every car service in each day. The `weeklyService` function should then write every service and bill details in the “Weekly_Service.txt” file.

After writing all these functions, call the `weeklyService` function in your Python program. Sample input of the program is as follows:

Services done in day 1

Enter first car's number [-1 to end]: MP787

Enter labour charge: 21.00

Enter cost of parts replaced: 365.05

Enter next car's number [-1 to end]: JCC445

Enter labour charge: 45.10

Enter cost of parts replaced: 325.50

Enter next car's number [-1 to end]: -1

Services done in day 2

Enter first car's number [-1 to end]: AKH777

Enter labour charge: 100.40

Enter cost of parts replaced: 598.65

Enter next car's number [-1 to end]: -1

Services done in day 3

Enter first car's number [-1 to end]: VF988

Enter labour charge: 25.25

Enter cost of parts replaced: 357.00

Enter next car's number [-1 to end]: CCU7089

Enter labour charge: 35.60

Enter cost of parts replaced: 258.20

Enter next car's number [-1 to end]: RJ352

Enter labour charge: 47.60

Enter cost of parts replaced: 369.50

Enter next car's number [-1 to end]: -1

Services done in day 4

Enter first car's number [-1 to end]: F555

Enter labour charge: 70.00

Enter cost of parts replaced: 485.30

Enter next car's number [-1 to end]: -1

Services done in day 5

Enter first car's number [-1 to end]: TR111

Enter labour charge: 87.65

Enter cost of parts replaced: 658.10

Enter next car's number [-1 to end]: -1

Services done in day 6

Enter first car's number [-1 to end]: PHA123

Enter labour charge: 54.00

Enter cost of parts replaced: 360.00

Enter next car's number [-1 to end]: QA1369

Enter labour charge: 10.10

Enter cost of parts replaced: 56.30

Enter next car's number [-1 to end]: WRG4562

Enter labour charge: 77.00

Enter cost of parts replaced: 458.30

Enter next car's number [-1 to end]: -1

Services done in day 7

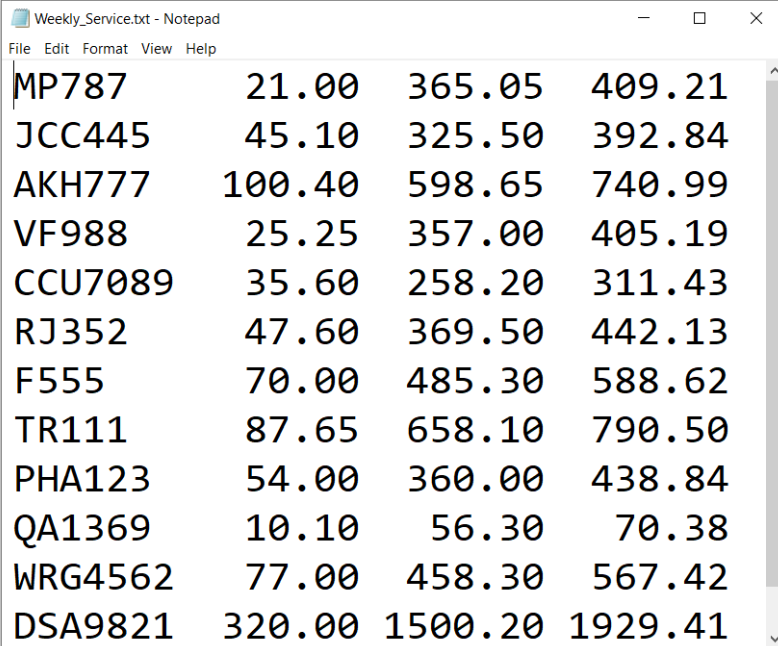
Enter first car's number [-1 to end]: DSA9821

Enter labour charge: 320.00

Enter cost of parts replaced: 1500.20

Enter next car's number [-1 to end]: -1

Text file written for the above inputs is given in Figure 1 below:



MP787	21.00	365.05	409.21
JCC445	45.10	325.50	392.84
AKH777	100.40	598.65	740.99
VF988	25.25	357.00	405.19
CCU7089	35.60	258.20	311.43
RJ352	47.60	369.50	442.13
F555	70.00	485.30	588.62
TR111	87.65	658.10	790.50
PHA123	54.00	360.00	438.84
QA1369	10.10	56.30	70.38
WRG4562	77.00	458.30	567.42
DSA9821	320.00	1500.20	1929.41

Figure 1: “Weekly_Service.txt” File