

## Workshop 8 Clarification

### CONSTANT VARIABLES:

**Tier1Clean:** 6.00  
**Tier2Sparkling:** 11.00  
**Tier3TheWorks:** 20.00

**VIPDiscount:** 0.10//A 10% discount  
**VIPUpgradedDiscount** 0.20//A 20% discount

### VARIABLES:

**YourPlan:** Regular/VIP/VIPUpgraded  
**YourCost:**

**LOGIC\_1:** A regular person who pays cash and gets a car wash. Be sure to calculate **YourCost**.

**LOGIC\_2:** Logic for a VIP who wants to get the tier they paid for. The **VIPDiscount** applies. Be sure to calculate **YourCost**.

**LOGIC\_3:** Logic for a VIP who wants to upgrade their tier or is washing more than twice in one day. The **VIPUpgradedDiscount** for washing more than twice in one day applied. Be sure to calculate **YourCost**.

### VIDEO PRESENTATION

The scenario presented is a totally automated car wash system. No artificial intelligence has been applied in order to make it user friendly. Please introduce artificial intelligence into this software as you did in the previous workshop that guides the user through the possible options and why these options might be good. Please make it easy for a customer to change his/her plan. Be sure to compare your software with that of the workshop. And be sure to flesh out your new software in detail for full marks. This might include pseudocode and/or flowcharts.