ATM Machine (Time: 30 min)

Language: Any of C, C++, PHP

You have to write logic to withdraw money from ATM Machine. Consider a hypothetical ATM machine which gives you notes of **10, 20, 50, 100, 500** & **1000** in denomination. If I enter 5,550 Rs. It should give me 5 notes of 1000, 1 note of 500 and 1 note of 50. ATM machines cannot store coins. So, if input amount is something like 1978 then machine should print **"Invalid Amount"**.

Case 1:
Input: 2340
Output:
2 x 1000 = 2000
3 x 100 = 300
2 x 20 = 40
Total = 2340

Case 2:
Input: 7878
Output: "Invalid Amount"

Case 3:
Input: 5680
Output:
5 x 1000 = 5000
1 x 500 = 500
1 x 100 = 100
1 x 50 = 50
1 x 20 = 20
1 x 10 = 10
Total = 5680

Evaluation Criteria:
1. Completion of the logic
2. Time taken to develop
3. Efficiency of logic (Memory and Time)
4. Coding structure(Use Classes, Associative arrays provided in PHP 5.3)

Best of luck and Happy Coding!!!