Example Test Plan for CC_Validation.asm

(complete a table like this for all SIX Credit Card Numbers)

Credit Card Number	AddEven Subroutine	AddOdd Suroutine	Validate Subroutine
9843	First Digit: 9 Second Digit:4 9x2 = 18 MSB= 1 LSB=8 Sum =9 4x2=8 Returns Sum of Even Digits: 17	First Digit:8 Second Digit:3 Returns Sum of Odd Digits: 11	AddEven Sum:17 AddOdd Sum:11 Sum:28 Remainder of 28 / 10 = 8 Returns INVALID
1248	First Digit: 1 Second Digit:4 1x2=2 4x2=8 Returns Sum of Even Digits: 10	First Digit:2 Second Digit:8 Returns Sum of Odd Digits: 10	AddEven Sum:10 AddOdd Sum:10 Sum:20 Remainder of 20 / 10 = 0 Returns VALID
8268	First Digit: 8 Second Digit:6 8x2 = 16 MSB= 1 LSB=6 Sum =7 6x2=12 MSB= 1 LSB=2 Sum=3 Returns Sum of Even Digits: 10	First Digit:2 Second Digit:8 Returns Sum of Odd Digits: 10	AddEven Sum:10 AddOdd Sum:10 Sum:20 Remainder of 20 / 10 = 0 Returns VALID
3202	First Digit: 3 Second Digit: 0 3x2=6 0x2=0 Returns Sum of Even Digits: 6	First Digit:2 Second Digit:2 Sum: 4	AddEven Sum:6 AddOdd Sum:4 Sum:10 Remainder of 10 / 10 = 0 Returns VALID

Notes:

Example Results (**AFTER ALL SIX Credit Card Numbers have been validated**):

VALID= 4　　　　　　　　　INVALID=2

Hex_Display Output (**AFTER ALL SIX Credit Card Numbers have been validated**):

4　　　　　　　　2

Number of Valid Credit Cards　　　Number of Invalid Credit Cards