




UNIT TEST

Training Assignment

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RECORD OF CHANGES

No	Effective Date	Change Description	Reason	Reviewer	Approver

	CODE:	<Assignment Code>
	TYPE:	<Type of Assignment>
	LOC:	<Lines of Code>
	DURATION:	<Duration in minutes>

Day 1. UNIT TEST

Task 1:

With application available, create UT for StringCalculator class in cases:

- Given 2 plus 2 should return 4
- Given 4 plus 2 should return 6
- Given 4 minus 2 should return 2
- Given 6 divided 2 should return 3
- Given 2 mutli by 3 should return 6

Task 2:

With application available, creat UT for getDatetimefromIso8583Format() method in DateUtils class:

- Input MMdd is "0419"
- Expected after call this method is "200419"
- Verify converYear() method is call when this method was called

Task 3:

With application available, creat UT for setDebugMode() method in LogUtils class in cases:

1. Input is true

Expect :

- verify method return true
- verify Log.d("setDebugMode()", "Debug Mode enable") is call

2. Input is false

Expect :

- verify method return false
- verify Log.d("setDebugMode()", "Debug Mode disable") is call

Task 4:

With application available, creat UT for MainActivity class:

- Create mock for object MainActivity
- Create spy for object MainActivity
- Verify object after create mock and spy for MainActivity not null

Task 5:

With application available, creat UT for isCurrentYear() method in DateUtils class:

- Expected
 - + getFullYear() method return 2021
 - + Method always return false