

Software Application Test Report

Application: CIS 304 OOP Review Application Challenge

Developer: Exception Handeled: Juliebeth Caldozo, Cristian Sierra, Kevin Mach, Stephen Briles, Miranda Ortiz

Testing was completed on: 1/20/2016

LoanPayment Class getValue () Test Vector

Exhibit C-1

Tables with Test Results:

Test Case	Purchase Amount	Down Payment	APR (%)	Duration (years)	Compounding	Periodic Payment	Passed (Y/N)
1	350000	0	10	15	Annual	\$46,015.82	Y
2	350000	50000	10	15	Annual	\$39,442.13	Y
3	350000	0	10	15	Semiannual	\$22,768.00	Y
4	350000	0	10	15	Quarterly	\$11,323.69	Y
5	350000	0	10	15	Monthly	\$3,761.12	Y
6	350000	0	10	15	Weekly	\$866.75	Y

Screen Shot of Test Results:

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Exhibit C-1 Test Vector
Test Case 1
Loan Payment Summary
Purchase Amount: $350,000.00
Down Payment: $0.00
Amount Financed: $350,000.00
APR: 10.0%
Compounding: annual
Loan Duration (years): 15.0
Payment (annual):$46,015.82
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Test Case 2
Loan Payment Summary
Purchase Amount: $350,000.00
Down Payment: $50,000.00
Amount Financed: $300,000.00
APR: 10.0%
Compounding: annual
Loan Duration (years): 15.0
Payment (annual):$39,442.13
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Test Case 3
Loan Payment Summary
Purchase Amount: $350,000.00
Down Payment: $0.00
Amount Financed: $350,000.00
APR: 10.0%
Compounding: semiannual
Loan Duration (years): 15.0
Payment (semiannual):$22,768.00
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Test Case 4
Loan Payment Summary
Purchase Amount: $350,000.00
Down Payment: $0.00
Amount Financed: $350,000.00
APR: 10.0%
Compounding: quarterly
Loan Duration (years): 15.0
Payment (quarterly):$11,323.69
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Test Case 5
Loan Payment Summary
Purchase Amount: $350,000.00
Down Payment: $0.00
Amount Financed: $350,000.00
APR: 10.0%
Compounding: monthly
Loan Duration (years): 15.0
Payment (monthly):$3,761.12
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Test Case 6
Loan Payment Summary
Purchase Amount: $350,000.00
Down Payment: $0.00
Amount Financed: $350,000.00
APR: 10.0%
Compounding: weekly
Loan Duration (years): 15.0
Payment (weekly):$866.75
=====
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Software Application Test Report

Application: CIS 304 OOP Review Application Challenge

Developer: Juliebeth Caldozo, Cristian Sierra, Kevin Mach, Stephen Briles, Miranda Ortiz

Testing was completed on: 1/20/2016

Investment Class getValue () Test Vector

Exhibit C-3

Tables with Test Results:

Test Case	Initial Investment	Periodic Investment	APR (%)	Duration (years)	Compounding	Future Value	Passed (Y/N)
1	0	100	10	20	Annual	\$5,727.50	Y
2	100	100	10	20	Annual	\$6,400.25	Y
3	0	100	10	20	Semiannual	\$12,079.98	Y
4	0	100	10	20	Quarterly	\$24,838.27	Y
5	0	100	10	20	Monthly	\$75,936.88	Y
6	0	100	10	20	Weekly	\$331,493.67	Y

Screen Shot of Test Results:

Exhibit C-3 Test Vector

Test Case 1

Investment Value Summary

Initial Investment: \$0.00

Periodic Investment (annual):\$100.00

Annual Return: 10.0%

Investment Value after 20 Years: \$5,727.50

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Test Case 2

Investment Value Summary

Initial Investment: \$100.00

Periodic Investment (annual):\$100.00

Annual Return: 10.0%

Investment Value after 20 Years: \$6,400.25

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Test Case 3

Investment Value Summary

Initial Investment: \$0.00

Periodic Investment (semiannual):\$100.00

Annual Return: 10.0%

Investment Value after 20 Years: \$12,079.98

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Test Case 4

Investment Value Summary

Initial Investment: \$0.00

Periodic Investment (quarterly):\$100.00

Annual Return: 10.0%

Investment Value after 20 Years: \$24,838.27

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Test Case 5

Investment Value Summary

Initial Investment: \$0.00

Periodic Investment (monthly):\$100.00

Annual Return: 10.0%

Investment Value after 20 Years: \$75,936.88

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Test Case 6

Investment Value Summary

Initial Investment: \$0.00

Periodic Investment (weekly):\$100.00

Annual Return: 10.0%

Investment Value after 20 Years: \$331,493.67

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