

Software Application Test Report

Application: CIS 304 OOP Review Application Challenge

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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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