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**CIS 1275 C++ Programming Part I**

**Program 4 Secret Message**

# Test Case Write-up

Test Case #1: Encode this Secret Message = ALBUQUERQUE ROCKS, codeInteger = 23

A=65, 65+23 = 88, 88 = X

L=76, 76+23 = 99, 99 = c

B=66, 66+23 = 89, 89 = Y

U=85, 85+23 = 108, 108 = l

Q=81, 81+23 = 104, 104 = h

U=85, 85+23 = 108, 108= l

E=69, 69+23 = 92, 92 = \

R=82, 82+23 = 105, 105 = i

Q=81, 81+23 = 104, 104 = h

U=85, 85+23 = 108, 108= l

E=69, 69+23 = 92, 92 = \

SPACE=32, 32+23 = 55, 55 = -

R=82, 82+23 = 105, 105 = i

O=79, 79+23 = 102, 102 = f

C=67, 67+23 = 100, 100 = d

K=75, 75+23 = 98, 98 = b

S=83, 83+23 = 106, 106 = j

Test Cast #1 Secret Message = XcYlhl\ihl\-ifdbj

Test Case #2: Decode this Encrypted Message =Y[SSKX&OY&ZUU&YNUXZ,

codeInteger = 6

Y = 89, x-6 = 83, 83 = S

[ = 91, 91-6 = 85, 85 = U

S = 83, 83-6 = 77, 77 = M

S = 83, 83-6 = 77, 77 = M

K = 75, 75-6 = 69, 69 = E

X = 88, 88-6 = 82, 82 = R

& =38, 38-6 = 32, 32 = SPACE

O =79, x-6 = 73, y= I

Y = 89, x-6 = 83, 83 = S

& =38, 38-6 = 32, 32 = SPACE

Z =90, 90-6 = 84, 84 = T

U =85, 85-6 = 79, y= O

U =85, 85-6 = 79, y= O

& =38, 38-6 = 32, 32 = SPACE

Y = 89, x-6 = 83, 83 = S

N =78, 78-6 = 72, 72= H

U =85, 85-6 = 79, y= O

X = 88, 88-6 = 82, 82 = R

Z =90, 90-6 = 84, 84 = T  
  
Test Case #2 Secret Message = SUMMER IS TOO SHORT