

Exercises for lab 2 of CS2211b

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The lab exercises are taken from programming projects 5, 7 in Chapter 2 of the book: C programming language: a modern approach (second edition), by K. N. King.

1 Chapter 2

1.1 Exercise 5

Write a program that asks the user to enter a value for x and then displays the value of the following polynomial:

$$3x^5 + 2x^4 - 5x^3 - x^2 + 7x - 6.$$

1.2 Exercise 7

Write a program that asks the user to enter a U.S. dollar amount and then shows how to pay the amount using the smallest number of \$20, \$10, \$5, \$1 bills:

Example. *Enter a dollar amount: 93*

\$20 *bills* : 4
\$10 *bills* : 1
\$5 *bills* : 0
\$1 *bills* : 3