

Data Structures

DEPARTMENT	<u>Computing, Electronics and Mecatronics</u>	COURS	<u>LIS2032</u>
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ACTIVITY 1.

DESCRIPTION

Develop a program in the C programming language that considers the next scenario: We have an ATM in which there are eight denominations of bills: 1, 2, 5, 10, 50, 100, 500 and 1000. If by keyboard an integer amount N of money to be withdrawn is entered, write a program to calculate the smallest number of bills that combined give the amount N.

For example:

- - Input:
 - ☐ "Enter the amount you wish to withdraw": 1547.
- - Output:
 - ☐ \$1000: 1
 - ☐ \$500: 1
 - ☐ \$100: 0
 - ☐ \$50: 0
 - ☐ \$10: 4
 - ☐ \$5: 1
 - ☐ \$2: 1
 - ☐ \$1: 0
- Number of tickets: 8

Delivery date: August 22nd, 2024 (16:00 hrs)

Deliverables: Code in C (file.c)