

Quiz Section for Program Design (I)

Exercise #2

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

Hint: Divide the amount by 20 to determine the number of \$20 bills needed, and then reduce the amount by the total value of the \$20 bills. Repeat for the other bill sizes.

The table below shows the example input and output. The underscored number is the input from users.

Input	Output
Enter a dollar amount: <u>93</u>	\$20 bills: 4 \$10 bills: 1 \$5 bills: 0 \$1 bills: 3
Enter a dollar amount: <u>61</u>	\$20 bills: 3 \$10 bills: 0 \$5 bills: 0 \$1 bills: 1