Enter a number from 0 to 99: 41
1 quarters
1 dimes
1 nickels
1 pennies

```
//Declare four variables pertaining to all american coins
int quarter = 25;
int dimes = 10;
int nickels = 5;
int pennies = 1;

//Get input values from user:
function Display
Display “Please enter a number from 0 to 99: “
Input = users_input
Run function calculate(users_input)
end

//Create control flow function
Function calculate(input)
If input > 99 || input < 0
        Run display function
        Else If input % quarter != 0
        //Check how many times quarter goes into input
        //if the quarter goes into input divide input by quarter
                Int How_many_quarters_fit_in_input = input / quarters
        //multiply quarter by division result, subtract from input and save subtracted input
                Int input_minus_quarters = input - (How_many_quarters * quarters)
        //display quarter amount
                Display (“There are “ + How_many_quarters + “quarters.”)
        //run function with new modified input
                function(input_minus_quarters)
        Else if input % dimes != 0
                Int How_many_dimes_fit_in_input = input / dimes
                Int input_minus_dimes = input - (How_many_dimes * dimes)
                Display (“There are “ + How_many_dimes + “dimes.”)
                function(input_minus_dimes)
        Else if input % nickels != 0
                Int How_many_nickels_fit_in_input = input / nickels
                Int input_minus_nickels = input - (How_many_nickels * nickels)
                Display (“There are “ + How_many_nickels + “quarters.”)
                function(input_minus_nickels)
```

```
        Else if input % pennies != 0
                Int How_many_pennies_fit_in_input = input / pennies
                Int input_minus_pennies = input - (How_many_pennies * pennies)
                Display (“There are “ + How_many_pennies + “pennies.”)
        End
End
```