**Exercise 1 - Dawson**

import java.util.Scanner;

public class Exercies1 {

private static Scanner scnr; //Fix for Resource leak: 'scnr' is never closed warning

public static void main(String[] args) {

int input;

scnr = new Scanner(System.in);

System.out.print("Please enter the amount of change to be returned (a number between 0 & 99) : ");

input = scnr.nextInt();

System.out.println("Change returned is : " + input);

}

}

**Output**

-Please enter the amount of change to be returned (a number between 0 & 99) : 12

-Change returned is : 12

**Exercise 2 - Dawson**

import java.util.Scanner;

public class Exercies1 {

public static void main(String[] args) {

int input;

int numQuarters;

int remainder;

Scanner scnr = new Scanner(System.in);

System.out.print("Please enter the amount of change to be returned (a number between 0 & 99) : ");

input = scnr.nextInt();

numQuarters = input / 25;

remainder = input % 25;

System.out.println("Change for " + input + " cents is : " + numQuarters + " Quarters with " + remainder + " cents remaining");

}

}

**Output**

-Please enter the amount of change to be returned (a number between 0 & 99) : 23

-Change for 23 cents is : 0 Quarters with 23 cents remaining

**Exercise 3 - Dawson**

import java.util.Scanner;

public class Exercies3 {

private static Scanner scnr; //Fix for Resource leak: 'scnr' is never closed warning

public static void main(String[] args) {

int input, numQuarters, numDimes, remainDimes, numNickels, remainNickels, numPennies;

scnr = new Scanner(System.in);

System.out.print("Please enter the amount of change to be returned (a number between 0 & 99) : ");

input = scnr.nextInt();

numQuarters = input / 25;

remainDimes = input % 25;

numDimes = remainDimes / 10;

remainNickels = remainDimes % 10;

numNickels = remainNickels / 5;

numPennies = remainNickels % 5;

System.out.println("Change for " + input + " cents is : " + numQuarters + " Quarters " + numDimes + " Dimes " + numNickels + " Nickels " + numPennies + " Pennies " );

}

}

**Output**

-Please enter the amount of change to be returned (a number between 0 & 99) : 66

-Change for 66 cents is : 2 Quarters 1 Dimes 1 Nickels 1 Pennies

**Exercies 4 - Dawson**

// \u20ac for € symbol is now redundant

import java.util.Scanner;

public class Exercies4 {

private static Scanner scnr; //Fix for Resource leak: 'scnr' is never closed warning

public static void main(String[] args) {

int remainder = 0;

String[] coinNames = {"€2","€1","€0.50","€0.20","€0.10","€0.05","€0.02","€0.01"};

int[] coinValue = {200,100,50,20,10,5,2,1};

int[] numCoins = {0,0,0,0,0,0,0,0};

//Initialize Scanner and prompt user to input value

scnr = new Scanner(System.in);

System.out.print("Please enter the amount of change to be returned (a number between 0 & 1000) : ");

remainder = scnr.nextInt();

//calculate & insert values into array

for(int i = 0; i < coinValue.length; i++) {

numCoins[i] = remainder / coinValue[i];

remainder %= coinValue[i];

}

//print out quantity of coins

for(int i = 0; i < coinValue.length; i++) {

System.out.println("" + numCoins[i] + " " +coinNames[i]);

}

}

}

**Output**

-Please enter the amount of change to be returned (a number between 0 & 99) : 399

-1 €2

-1 €1

-1 €0.50

-2 €0.20

-0 €0.10

-1 €0.05

-2 €0.02

-0 €0.01