Problem Set 1 Exercise #06: Coins

Reference: Lecture 2 notes

Learning objectives: Logical thinking

Estimated completion time: 20 minutes

Problem statement:

You are given these coin denominations: 1¢, 5¢, 10¢, 20¢, 50¢, and $1. Write a program **coins.c** to find out the smallest number of coins needed for a given amount. You do not need to list out what coins are used.

For example, for 375 cents, 6 coins are needed.

Sample run #1:

```
Enter amount in cents: 300
Minimum number of coins needed: 3
```


Sample run #2:

```
Enter amount in cents: 375
Minimum number of coins needed: 6
```


Sample run #3:

```
Enter amount in cents: 543
Minimum number of coins needed: 10
```