

SI Intro Programming

Homework Assignment: Spending Spree

You've been patiently saving your earnings and are about to go on a spending spree, since it's tax free week! Your priorities are as follows:

- 1) Buy shoes for \$80
- 2) Buy a video game for \$50
- 3) Buy a shirt for \$15
- 4) Buy make up for \$25

If you will go down the list, one by one, and if you have enough money for the item, you'll buy it.

For example, if you've saved \$60, you can't buy shoes, but then you can buy the video game, leaving you with \$10. But, that's not enough to buy either a shirt or make up, so you end up with only the video game.

If you've saved \$125 dollars, you would have enough money to buy the shoes, leaving you \$45. You would not have enough money to buy the video game, but then those \$45 can get you both the shirt and the make up.

In your program, ask the user how much money they've saved up, and print one line for each item they can buy. After that, print a final line that indicates how much money the user has left over.

Optional Enhancement

If the user can't buy anything, output the statement, "Sorry, you can not buy any of your items." Also, after purchasing each item, add a print statement indicating how much money is left right after buying that item.

Sample 1: Input and Output

How many dollars have you saved?

125

Great, you can buy a pair of your favorite shoes!

Great, you can buy that t-shirt you've been wanting!

Great, you can buy that make up you've been eyeing!

After your shopping spree, you have 5 dollars left.

Sample 2: Input and Output

How many dollars have you saved?

12

Sorry, you can not buy any of your items.

After your shopping spree, you have 12 dollars left.

Note: the first print after the 12 is entered is the optional enhancement.

Sample 3: Input and Output

How many dollars have you saved?

200

Great, you can buy a pair of your favorite shoes!

Great, you can buy your favorite video game!

Great, you can buy that t-shirt you've been wanting!

Great, you can buy that make up you've been eyeing!

After your shopping spree, you have 30 dollars left.