

Times compounded:	12
Principal:	\$1000.00
Interest:	\$43.34
Amount in Savings:	\$1043.34

Name your project InterestEarned.java.

Vending Machine

Write a program that determines the change to be dispensed from a vending machine. An item in the machine can cost between 25 cents and 1 dollar, in 5-cent increments (25, 30, 35,..., 90, 95, 100), and the machine accepts only a single dollar bill to pay for the item. For example, a possible sample dialog might be the following:

```
Enter price of item
(from 25 cents to a dollar, in 5-cent increments):
45
```

```
You bought an item for 45 cents and gave me a dollar,
So your change is
2 quarters
0 dimes, and
1 nickels.
```

Requirement: Please DO NOT use if/else statements, loops or recursive methods in your solution. Find a way to solve this problem with only simple arithmetic operations.

Name your project VendingMachine.java.