

Python Classes

Write a coffee vending machine class. Include fields giving the number of cups of coffee available, the cost of one cup of coffee, and the total amount of money inserted by the user. This machine requires exact change. Include one constructor which stocks the machine with a quantity and price of coffee specified as parameters. Include the following methods;

```
menu() // display the quantity and price of coffee
insert(int quarters, int dimes, int nickels) // insert the given amount
select() // dispenses a cup of coffee if user has inserted enough
        // money and coffee is available, otherwise displays a message
refund() // returns the money inserted
```

Write the main() program to create some vending machines and **test their operation thoroughly**.

What to submit:

1. Your program source code listing (Please do not submit code image. Do not zip your files.)
2. Your program output.