Purpose: To purchase an item of cost pd dollars and pc cents if you have d dollars and c cents

Pre-condition: d + c is more than or equal to pd + pc and neither are less than 0

pre-condition: if c < pc, take one from d and add 100 to c

INTERFACE:
Enter Dollar amount cents amount for item (pd, pc). Enter Dollar amount cents amount you have (d, c)

Class Dollars
- int d (dollars you have) -int pd (dollars for price)
+setDollars() +getDollars() +calcDollarTotal()

c < pd?

ClassCents
-int c (cents you have) - int pc (cents for price)
+setCents() +getCents() +calcCentsTotal()

Class (int d, int pd) : if d and pd are >= 0, input is valid. If c < pc, take 1 from d before d - pd (pre for take 1 and post for d - pd). Return difference

Class (int c, int pc): if c and pc are >= 0, input is valid. If c < pd, take 1 from d and add 100 to d (pre) then subtract c - 100 and return the difference

Return CalcDollars, CalcCents
+ GUI returns either You do not have enough money if unable to pay, you have just enough Total Difference = 0, and otherwise returns your Change in dollars and cents