

Selection

How much money do you have in your pocket?

~~int~~ ~~char~~ ~~bool~~ ~~YES~~

1.25 float pocket
1.00 double -val;
4.00
0

5.25 both 5 dollar(s) . 95 cent(s)

double pocket_val;

cin >> pocket_val; // takes user response

cout << "You have " << pocket_val <<
" in your pocket. ";

Rules:

00 cents not print out word cents

0 dollars not print out word dollars

Print both if both exist

Print both if neither

pocket_val // \$ in your pocket
 5.25 → useless // casting
 int dollars = (int) pocket_val;
 int cents = (pocket_val - dollars) * 100;
 int thousandth = ((pocket_val - dollars) * 1000) % 10;

Explicit.
 (newDataType) var_of_old_dataType;
 implicitly
 int dollars = pocket_val;

int thousandth = ((int)(pocket_val - dollars) * 1000) % 10;
 // 5.25 (7)

if (thousandth > 4)

cents = cents + 1;

}

if (cents == 0) {

// 0 cents

// if case - 1 way

if (dollars == 0) { // if else - 2 way

cout << "0 dollars and 0 cents";
 // 0 cents & 0 dollars

}

else {

// 0 cents > dollar val +
 dollars " ;

cout << dollars << "

5.25 1
 5.00 2
 0.25 3
 0.00 4

}

}