Unit test 🡪 Breaking code into units for testing

Syntax are not tested in unit testing, just checking reliability of program or function or class meets the specifications

To do the test must know the specifications without that we cannot test

To know use-case is to know the specifications

**import** java.text.DecimalFormat;

**import** java.util.Scanner;

**class** currencyconverter

{

**public** **static** **void** main(String args[])

{

**double** rupee,cad,usd,code;

**int** counter = 0;

DecimalFormat f = **new** DecimalFormat("##.###");

Scanner in = **new** Scanner(System.***in***);

System.***out***.println("Enter the currency code \n1:CAD\n2:USD\n3:Rupees\n");

code = in.nextInt();

//For CAD Conversion

**if**(code == 1)

{

System.***out***.println("Enter amount in CAD: ");

cad = in.nextFloat();

rupee = cad \* 53.67;

System.***out***.println("Rupees : "+f.format(rupee));

usd = cad \* 0.75;

System.***out***.println("USD : "+f.format(usd));

System.*exit*(0);

}

//For USD Conversion

**else** **if** (code == 2)

{

System.***out***.println("Enter amount in USD: ");

usd = in.nextFloat();

rupee = usd \* 71.22;

System.***out***.println("Rupees : "+f.format(rupee));

cad = usd \* 1.33;

System.***out***.println("CAD : "+f.format(cad));

**return**;

}

//For Rupees

**else** **if**(code == 3)

{

System.***out***.println("Enter amount in rupees");

rupee = in.nextFloat();

usd = rupee \* 0.014;

System.***out***.println("USD : "+f.format(usd));

cad = rupee \* 0.019;

System.***out***.println("CAD : "+f.format(cad));

**return**;

}

**else** {

counter++;

System.***out***.println("You have entere an Invalid Code");

System.*exit*(1);

**if** (counter == 2) {

System.***out***.println("Wrong, Bye");

}

}

}

}