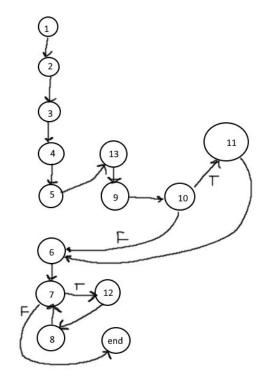
a)



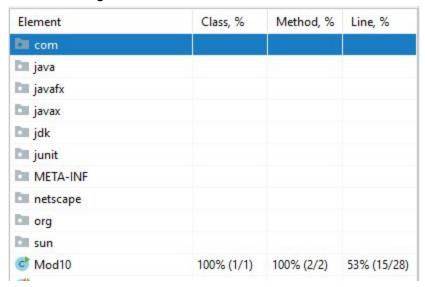
- 1 line 8-10
- 2 "Please enter the cost:"
- 3 cost = scan.nextDouble();
- 4 "Please enter the paid amount:"
- 5 paidAmount = scan.nextDouble();
- 6 int i = 0
- 7 i<5
- 0 :..
- 9 changeCalc variable initializations
- 10 if (change >0)
- 11 All lines in if statement
- 12 System.out.println(changes[i]);
- 13 changes=changeCalc(paidAmount, cost);

Test Case #	Input (Cost, Paid)	Output	Path
1	(100,100)	0,0,0,0,0	1-5,13,9,10,11,6,[(7,12,8)*5], 7,end
2	(101,100)	0,0,0,0,0	1-5,13,9,10,6,[(7,12,8)*5], 7,end
3	(97.99,100)	2,0,0,0,1	1-5,13,9,10,11,6,[(7,12,8)*5], 7,end
4	(50.58,100)	49,1,1,1,2	1-5,13,9,10,11,6,[(7,12,8)*5], 7,end

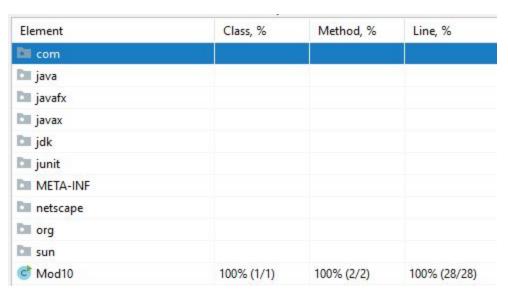
b)

I looked it up for IntelliJ since that is what I have been using and it has its own

built in coverage tool shown below.



Running a single attempt from command line (100,100).



Running a single attempt from command line (100,99).

- c) At the start of changeCalc, if the paid amount does not have decimals into the place that the cost does ((100,99.9) or (100,97.53) then the rounding gets messed up.
- d) Just change the assignments into a series of while loops.

Test Case #	Input (A[], size)	output	path
1	({8,6},2)	{6,8}	1,2,3,4,6,7,9,10,8 ,7,5,3,4,end
2	({6,5,4},0)	{6,5,4}	1,2,3,4,end
3	({1},1)	{1}	1,2,3,4,6,7,5,3,4, end

b)

© change	100% (1/1)	100% (1/1)	100% (10/10)
		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Path 1			
change change	100% (1/1)	100% (1/1)	30% (3/10)
Path 2			
© change	100% (1/1)	100% (1/1)	50% (5/10)

Path 3

		T course cours	y Yours mean
Element	Class, %	Method, %	Line, %
tom com			
🖿 java			
i javafx			
i javax			
🖿 jdk			
i junit			
META-INF	100% (0/0)	100% (0/0)	100% (0/0)
netscape netscape			
org org			
sun sun			
change change	100% (1/1)	100% (1/1)	100% (10/10)
changeTest	100% (1/1)	100% (3/3)	100% (13/13)

All Paths together