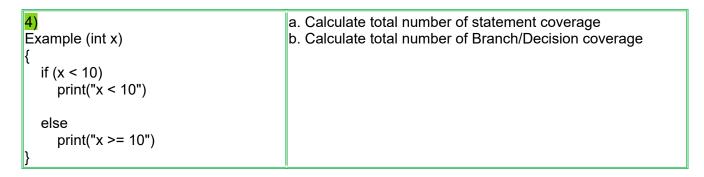
## Exercise: Statement coverage & Branch/Decision coverage:

1)	a. Calculate statement coverage
Read A	b. Calculate Branch/Decision coverage
Read B	_
IF A+B > 10 THEN	
Print "A+B is Large"	
ENDIF	
If A > 5 THEN	
Print "A Large"	
ENDIF	

2)	a. How many tests are required to achieve 100% statement
READ X	coverage?
READ Y	b. How many tests are required to achieve 100% Branch
IF "X > Y"	coverage?
PRINT X is greater that Y	
ENDIF	

3)	a. How many tests are required to achieve 100% statement
IF A > B THEN	coverage?
C = A - B	b. How many tests are required to achieve 100%
ELSE	Branch/Decision coverage?
C = A + B	-
ENDIF	
Read D	
IF C = D	
Then Print "Error"	
ENDIF	



5)	a. How many tests are required to achieve 100% statement
1 READ A	coverage?
2 READ B	b. How many tests are required to achieve 100%
3 C = A - 2 *B	Branch/Decision coverage?
4 IFC <0THEN	-
5 PRINT "C negative"	
6 ENDIF	

6) Test (int a=3) { if (a>4) a=a*3 print (a) }	a. Calculate statement coverage b. Calculate Branch/Decision coverage
7) Read X Read Y IF X+Y > 100 THEN Print "Large" ENDIF If X + Y<100 THEN Print "Small" ENDIF	<ul><li>a. How many tests are required to achieve 100% statement coverage?</li><li>b. How many tests are required to achieve 100% Branch/Decision coverage?</li></ul>
8) Read A Read B If A > B then x = 0 End if	<ul><li>a. How many tests are required to achieve 100% statement coverage?</li><li>b. How many tests are required to achieve 100% Branch/Decision coverage?</li></ul>
Poly Read X, Y if X > Y then print "X is Greater" else print Y is Greater End	a. How many tests are required to achieve 100% statement coverage? b. How many tests are required to achieve 100% Branch/Decision coverage?
Input a, b Let c = a + b If c < 10, print c Else, print 'Sorry'	<ul><li>a. How many tests are required to achieve 100% statement coverage?</li><li>b. How many tests are required to achieve 100% Branch/Decision coverage?</li></ul>
if(a=2) print "execute this line"; else print "executing else statement"; end if;	a. Calculate total number of statement coverage b. Calculate total number of Branch/Decision coverage

12)	a. How many tests are required to achieve 100% statement
Read a	coverage?
Read b	b. How many tests are required to achieve 100%
if a>b	Branch/Decision coverage?
print "a is largest"	
else	
if a==b	
print "Both a and b are equivalent"	
else	
print "b is largest number"	
end if	