Test 1:

{

int a

a = 5

print (a)

}$

This is just to demonstrate that it can create and load a variable in memory then print that variable.

Test 2:

{

int a

a = 0

while (a == 0)

{

print (a)

a = 1 + a

}

}$this should give a warning

This shows while’s functionality by looping only once. It should print a then a will become 1 and the loop will stop and the program will end.

Test 3:

{

boolean b

b = true

int z

if (b == true)

{

print ("b is equal to true")

z = 5

}

}

This is to show that if works correctly for ==. The contents of the if statement will be executed.

Test 4:

{

boolean b

b = true

int z

z = 2

if (b == false)

{

print ("b is equal to true")

z = 5

}

print (z)

}

This demonstrates if’s ability to jump over generated code. So, nothing in the if will be executed only z will be printed.

Test 5:

{

int a

a = 5

{

boolean a

a = true

print (a)

}

print (a)

}$

This was chosen to show that scope works correctly. So, true will be printed out followed by 5.

Test 6:

{

int a

a = 5

int b

b = 2 + 5

print(b)

}$

This test was chosen to show that integer expressions work. Also, that they work with other variables in the expression.