

```
main(void) : int
main.c X
D:\6813124\Pisut6813013\bin\Debug\Pisut6813013.exe
integerVar = 100
floatingVar = 331.790009
doubleVar = 8.440000e+011
doubleVar = 8.44e+011
charVar = W
boolVar = 0

Process returned 0 (0x0) execution time : 0.016 s
Press any key to continue.
```

3.1

6813013

The screenshot shows the wxSmith IDE interface. The menu bar includes Search, Project, Build, Debug, Fortran, wxSmith, Tools, Tools+, Plugins, DoxyBlocks, Settings, and Help. The toolbar contains various icons for file operations, search, and debugging. A sub-menu under 'main(void) : int' is open. The main window displays the output of a C program named 'Pisut6813013.exe'. The output shows the following calculations:

```
a - b = 98
FSb * c = 50
a / c = 4
I3 a + b * c = 150
a * b + c * d = 300

i.C
Process returned 0 (0x0)   execution time : 0.010 s
Press any key to continue.
```

The source code in the editor window is:

```
15     printf ("a - b = %i\n", result);
16     result = a + b * c; // precedence
17     printf ("a + b * c = %i\n", result);
18     printf ("a * b + c * d = %i\n", a * b + c * d)
19     return 0;
```

3.2

6813013

The screenshot shows a wxSmith IDE interface. The menu bar includes 'File', 'Project', 'Build', 'Debug', 'Fortran', 'wxSmith', 'Tools', 'Tools+', 'Plugins', 'DoxyBlocks', 'Settings', and 'Help'. The toolbar has various icons for file operations like open, save, and search. A status bar at the bottom indicates 'main(void) : int'.

The terminal window displays the following output:

```
D:\6813124\Pisut6813013\bin\Debug\Pisut6813013.exe
6 + a / 5 * b = 16
a / b * b = 24
c / d * d = 25.000000
-a = -25

Process returned 0 (0x0)   execution time : 0.011 s
Press any key to continue.
```

3.3

6813013

main.c [Pisut6813013] - Code::Blocks 20.03

```
D:\6813124\Pisut6813013\bin\Debug\Pisut6813013.exe
a = 25, b = 5, c = 10, and d = 7
a % b = 0
a % c = 5
a % d = 4
a / d * d + a % d = 25

Process returned 0 (0x0)   execution time : 0.008 s
Press any key to continue.
```

```
11     printf ("a / d * d + a %% d = %i\n",
12           a / d * d + a % d);
13
14 }
```

3.4

6813013

```
D:\6813124\Pisut6813013\bin\Debug\Pisut6813013.exe
123.125000 assigned to an int produces 123
-150 assigned to a float produces -150.000000
-150 divided by 100 produces -1.000000
-150 divided by 100.0 produces -1.500000
(float) -150 divided by 100 produces -1.500000

Process returned 0 (0x0)   execution time : 0.008 s
Press any key to continue.
```

```
17 printf "(float) %i divided by 100 produces %f\n",
18 return 0;
19 }
```

3.5

6813013