

# The GNU D Compiler

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For GCC version 16.0.0 (pre-release)

(GCC)

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<b>Option Index .....</b>	<b>63</b>
<b>Keyword Index .....</b>	<b>65</b>





















































































On x86 targets, all intrinsics are available as functions in the `gcc.builtins` module, and have predictable equivalents.

```
version (DigitalMars)
{
    __simd(XMM.PSLLW, op1, op2);
    __simd_ib(XMM.PSLLW, op1, imm8);
}
version (GNU)
{
    __builtin_ia32_psllw(op1, op2);
    __builtin_ia32_psllwi(op1, imm8);
}
```

#### TypeInfo-based `va_arg`

The Digital Mars D compiler implements a version of `core.vararg.va_arg` that accepts a run-time `TypeInfo` argument for use when the static type is not known. This function is not implemented by GNU D. It is more portable to use variadic template functions instead.





































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