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Local Variables

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Global Variables

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Static Variables

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Automatic Variables

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External Variables

Types of Variables in



Storage classes in C

Storage Specifier	Storage	Initial value	Scope	Life
auto	stack	Garbage	Within block	End of block
extern	Data segment	Zero	global Multiple files	Till end of program
static	Data segment	Zero	Within block	Till end of program
register	CPU Register	Garbage	Within block	End of block



C program file

```
double x;
```

```
static int y;
```

```
void f1( int a )
```

```
{ static int z;
```

```
int u;
```

```
...
```

```
}
```

```
void f2( int a, float b )
```

```
{
```

```
double v;
```

```
...
```

```
}
```

Global variable

Static global variable

Static local variable

Local variables

Parameter variables