

Lecture 6 Keywords (English)

There are 32 words defined as keywords in the standard ANSI C programming language. These keywords have predefined uses and cannot be used for any other purpose in a C program. These keywords are used by the compiler, in this case gcc, as an aid to building the program. Note that these keywords must always be written in lowercase.

Keyword	Description
auto	Defines a local variable as having a local lifetime
break	Passes control out of the programming construct
case	Branch control
char	Basic data type
const	Unmodifiable value
continue	Passes control to loop's beginning
default	Branch control
do	Do While loop
double	Floating-point data type
else	Conditional statement
enum	Defines a group of constants of type int
extern	Indicates an identifier as defined elsewhere
float	Floating-point data type
for	For loop
goto	Transfer program control unconditionally
if	Conditional statement
int	Basic data type
long	Type modifier
register	Stores the declared variable in a CPU register
return	Exits the function
short	Type modifier
signed	Type modifier
sizeof	Returns expression or type size
static	Preserve variable value after its scope ends
struct	Groups variable into a single record
switch	Branch control
typedef	Creates a new type
union	Groups variables that occupy the same storage space
Unsigned	Type modifier
Void	Empty data type
Keyword	Description
volatile	Allows a variable to be changed by a background routine

while	Repeats program execution while the condition is true
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Be aware that in addition to the list of keywords above, your C language compiler may define a few more. If it does, they will be listed in the documentation that came with your compiler.

As you progress through this book, I will show you how to use many of the aforementioned C language keywords.

लेक्चर 6 कीवर्ड्स (Hindi)

मानक ANSI C प्रोग्रामिंग भाषा में 32 शब्दों को कीवर्ड्स के रूप में परिभाषित किया गया है। इन कीवर्ड्स का पूर्वनिर्धारित उपयोग होता है और इन्हें C प्रोग्राम में किसी अन्य उद्देश्य के लिए इस्तेमाल नहीं किया जा सकता। ये कीवर्ड्स कम्पाइलर द्वारा, इस मामले में gcc, प्रोग्राम को बनाने में सहायता के लिए इस्तेमाल किए जाते हैं। ध्यान दें कि इन कीवर्ड्स को हमेशा लोअरकेस में लिखा जाना चाहिए।

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ध्यान दें कि उपरोक्त कीवर्ड्स की सूची के अलावा, आपके C भाषा कंपाइलर द्वारा कुछ और भी परिभाषित किए जा सकते हैं। यदि ऐसा है, तो वे आपके कंपाइलर के साथ आई दस्तावेज़ीकरण में सूचीबद्ध होंगे।

जैसे-जैसे आप इस पुस्तक के माध्यम से आगे बढ़ेंगे, मैं आपको उपरोक्त C भाषा के कई कीवर्ड्स का उपयोग कैसे करें, यह दिखाऊंगा।