GCC Compiler Job Interview Questions And Answers

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GCC Compiler Interview Questions And Answers Guide.

Question - 1:

The correct sequence of GCC compilation process is:
a) preprocessing -> compilation -> assemble -> linking
b) assemble -> preprocessing -> compilation -> linking
c) preprocessing -> assemble -> compilation -> linking
d) none of the mentioned

Ans:

a) preprocessing -> compilation -> assemble -> linking
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Question - 2:

What is the role of linker in the compilation process?
a) linker links the object code with the library code
b) linker converts machine code into executable machine code
c) linker generates an executable file
d) all of the mentioned

Ans:

d) all of the mentioned
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Question - 3:

The compiler converts:
a) assembly code into machine code
b) preprocessed source code into assembly code
c) machine code into assembly code
d) none of the mentioned

Ans:

b) preprocessed source code into assembly code
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Question - 4:

The a.out file is in the:
a) ELF format
b) EXE format
c) both (a) and (b)
d) none of the mentioned

Ans:

a) ELF format
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Question - 5:

The preprocessor creates the file with extension:
a) .a
b) .i
c) .s
d) .o

Ans:

b) .i
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Question - 6:

The macros specifies in source code are expanded by:
a) pre-processor
b) assembler
c) compiler
d) linker

Ans:

a) preprocessor

Question - 7:

If we do not specify the executable file name at the compilation time in GCC, then in linux the compiler creates executable named as:
a) a.out
b) a.exe
c) x.out
d) x.exe

Ans:

a) a.out

Question - 8:

The object file contains the:
a) assembly code
b) machine code
c) modified source code
d) none of the mentioned

Ans:

b) machine code

Question - 9:

If google.c is compiled with GCC, then the google.s file will contain the:
a) assembly code
b) machine code
c) preprocessed code
d) expanded source code

Ans:

a) assembly code

Question - 10:

The assembly code is converted into the machine code by:
a) compiler
b) assembler
c) linker
d) none of the mentioned

Ans:

b) assembler

Question - 11:

The preprocessor removes the _____ from the source code.
a) comments
b) header files
c) both (a) and (b)
d) none of the mentioned

Ans:

a) comments

Question - 12:

Which one of the following command can be used to provide executable permissions for a file?
a) chmod +x
b) chmod 777
c) both (a) and (b)
d) none of the mentioned

Ans:

c) both (a) and (b)

Question - 13:

Command line parameters are passed by the:
a) preprocessor
b) assembler
c) compiler
d) linker

Ans:

d) linker

Question - 14:

Which compilation step makes sure that all the undefined symbols in the code are resolved?
a) linking
b) compiling
c) preporcessing
d) none of the mentioned

Ans:

a) linking
Explanation:
An undefined symbol is one for which there is no definition available.

Question - 15:

Which one of the following is not true?
a) we need to manually go through all intermediate stages to generate an executable in gcc
b) gcc compilation process always contains 4 stages
c) both (a) and (b)
d) none of the mentioned

Ans:

a) we need to manually go through all intermediate stages to generate an executable in gcc

Question - 16:

The COFF stands for:
a) common object file format
b) combined operation for file formats
c) combined object file format
d) none of the mentioned

Ans:

a) common object file format

Question - 17:

The lines in our code that begin with the "#" character are:
a) pre-processor directives
b) macros
c) header files
d) none of the mentioned

Ans:

a) preprocessor directives

Question - 18:

In the pre-processing stage of compilation:
a) header files are actually expanded and included in the source code of the program
b) macros are replaced by their respective values
c) all the comments are stripped off
d) all of the mentioned

Ans:

d) all of the mentioned

Question - 19:

Preprocessed files are given the file extension _____ for c++ programs.

a) .i
b) .ii
c) .iii
d) none of the mentioned

Ans:

b) .ii

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Question - 20:

Which gcc option turns off certain features of gcc that are incompatible with ISO C89?
a) -ansi
b) -ISO
c) -ver
d) none of the mentioned

Ans:

a) -ansi

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Question - 21:

The command "gcc -S google.c" will:
a) stop compilation process after the generation of assembly code file
b) generate google.s file
c) both (a) and (b)
d) none of the mentioned

Ans:

c) both (a) and (b)

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Question - 22:

The assembly code generated depends upon the:
a) processor architecture
b) RAM size
c) both (a) and (b)
d) none of the mentioned

Ans:

c) both (a) and (b)

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Question - 23:

Which option of gcc inhibit all warning messages?
a) -w
b) -x
c) -y
d) -z

Ans:

a) -w

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Question - 24:

Which gcc option stops compilation process after preprocessing stage?
a) -e
b) -f
c) -E
d) -F

Ans:

c) -E

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Question - 25:

Pipes are used rather than temporary files for communication between the various stages of compilation in gcc when:
a) -pipe option is used
b) -temp option is used
c) -disable -temp option is used
d) none of the mentioned

Ans:

a) -pipe option is used

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Question - 26:

The option -fsyntax-only of gcc:
a) checks the code for syntax error
b) checks the code for fatal error
c) both (a) and (b)
d) none of the mentioned

Ans:

a) checks the code for syntax error

Question - 27:

The -v option of gcc:
a) print the commands executed to run the stages of compilation
b) version of the gcc compiler
c) both (a) and (b)
d) none of the mentioned

Ans:

a) print the commands executed to run the stages of compilation

Question - 28:

If we compile the google.c file with the command "gcc -c google.c", then the output file will be:
a) google.o
b) google.s
c) google.i
d) none of the mentioned

Ans:

a) google.o

Question - 29:

If we compile the google.c file with the command "gcc -o google google.c", then the executable file will be:
a) a.out
b) google
c) google.out
d) none of the mentioned

Ans:

b) google

Question - 30:

Which gcc option includes debugging info in the generated object code?
a) -g
b) -c
c) -p
d) none of the mentioned

Ans:

a) -g

Question - 31:

Which one of the following command creates the executable file a.out?
a) gcc -o google.c
b) gcc google.c
c) gcc -o a.out
d) gcc a.out

Ans:

b) gcc google.c

Question - 32:

The command "cpp google.c > google.i" will:
a) create the expanded source code file google.i for the source code file google.c
b) append the content of the google.c into google.i
c) give an error
d) none of the mentioned

Ans:

a) create the expanded source code file google.i for the source code file google.c

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Question - 33:

Which option of gcc makes the compiler print out each function name as it is compiled, and print some statistics about each pass when it finishes?
a) -p
b) -P
c) -q
d) -Q

Ans:

d) -Q

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Question - 34:

The -Wextra option of gcc:
a) is same as -w option
b) does not exist
c) enables extra warning messages
d) none of the mentioned

Ans:

c) enables extra warning messages

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Question - 35:

Which gcc option undefined a pre-processor macro?
a) -U
b) -u
c) -undefine
d) none of the mentioned

Ans:

a) -U

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Question - 36:

Which gcc option reports the cpu time taken by each sub-process in the compilation sequence?
a) -time
b) -cpu
c) -process
d) none of the mentioned

Ans:

a) -time

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Question - 37:

Which one of the following is not true?
a) source codes can not be compiled with static libraries in gcc
b) -O is used for optimization in gcc
c) both (a) and (b)
d) none of the mentioned

Ans:

a) source codes can not be compiled with static libraries in gcc

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Question - 38:

The command "gcc -save-temps google.c" will generate:
a) google.i
b) google.s
c) google.o
d) all of the mentioned

Ans:

d) all of the mentioned

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Question - 39:

The gcc option -Wunused warns when a _____ variable is unused aside from its declaration.
a) variable
b) function

c) macro
d) none of the mentioned

Ans:

a) variable

Question - 40:

The command line options of gcc can also be read from a file with:
a) @
b) $
c) #
d) none of the mentioned

Ans:

c) #

Question - 41:

Which option of the gcc is used to warn is padding is included in structure?
a) -Wpadded
b) -Wpad
c) -Wpadding
d) none of the mentioned

Ans:

a) -Wpadded

Question - 42:

What is the job of -Werror option in gcc?
a) it avoids all the errors present in the source code
b) it makes all warnings into errors
c) it stores all the errors of source code into a seperate file
d) none of the mentioned

Ans:

b) it makes all warnings into errors

Question - 43:

The -fPIC option of gcc:
a) generates the position independent code of shared libraries
b) opens the source file in readonly mode
c) both (a) and (b)
d) none of the mentioned

Ans:

a) generates the position independent code of shared libraries

Question - 44:

The -H option of gcc:
a) prints the name of each header file used
b) is used to include header file
c) ignores the header file which are not required by source code
d) none of the mentioned

Ans:

a) prints the name of each header file used

Question - 45:

The -shared option of gcc generates shared _____ for shared library.
a) object file
b) preprocessed file
c) source file
d) none of the mentioned

Ans:

a) object file

Question - 46:

The command "as -o google.o google.s" will:
a) generate object file google.o
b) provide an error if google.s exists
c) both (a) and (b)
d) none of the mentioned

Ans:

a) generate object file google.o

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Question - 47:

Which option of gcc adds include directory of header files?
a) -i
b) -I
c) -e
d) -E

Ans:

b) -I

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Question - 48:

Which option of gcc enables compiler's all warning messages?
a) -Wall
b) -War
c) -Warn
d) none of the mentioned

Ans:

a) -Wall

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Question - 49:

Which option of gcc links with a library file?
a) -l
b) -L
c) -link
d) none of the mentioned

Ans:

a) -l

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Question - 50:

Which option of gcc looks in the provided directory for library files?
a) -l
b) -L
c) -link
d) none of the mentioned

Ans:

b) -L

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