

GEEK IQ
A Work In Progress
By John Urbanek

Who is credited as founder of the Free Software Foundation and the GNU Project?

Linus Torvalds
Richard Stallman
Tim Berners-Lee
Marc Andreessen

What is the 3rd layer of the OSI Model? (Hint: OSI goes from bottom to top starting at 1)

Session
Transport
Data-Link
Network

What layer of the OSI Model does the Internet Protocol (IP) reside?

1st
3rd
Transport
Data-Link

In which newsgroup did Linus make "the post" on August 25, 1991?

comp.os.minix
comp.os.vms
comp.os.misc
comp.os.unix

What character(s) does Microsoft Windows use to terminate lines?

CR
LF
CR/LF
CR/FF

What character(s) does Unix/Linux use to terminate lines?

CR
LF
CR/LF
CR/FF

What character(s) does the Mac OS (< 10) use to terminate lines?

CR
LF
CR/LF
CR/FF

Of the companies listed below, who was the first to release a CPU with a clockspeed of 1 GHz (1,000,000,000 Hz) to the public?

IBM
Intel
DEC
AMD

What acronymous concept best defines a queue?

FIFO
BTHB
FILO
BHTB

Who is credited as the "creator" of C++?

Dennis Ritchie
Bjarne Stroustrup
Larry Wall
Daniel Bernstein

Unix was originally developed on/for which platform?

x86
Alpha
MIPS
PDP-7

In classic (No NAT/Firewall etc) active mode FTP, if the server control port is 'n' and the client control port is 'x', what will be the client side port number of the very first data channel built?

- x + n
- x - n
- x + 1
- x - 1

Which of the following tags is valid XHTML 1.0?

-

-

-

- </br>

Of the editors below, which is (widely regarded) the least powerful? (Yeah this question is subjective... Piss off)

- vi
- vim
- pico
- emacs

Unicode is:

- A programming language similar to Perl
- A character set
- A widely popular Java game
- An authentication system

Who is credited as father of the world wide web and wrote the first webserver, named "httpd"?

- Tim Berners Lee
- Ken Thompson
- Vint Cerf
- Vannevar Bush

What was the first widely popular web browser, touted as "The killer application of the 90's"?

- Netscape Navigator
- NCSA Mosaic
- Mozilla Classic
- lynx

[A] "molly-guard" is/was:

A security officer at a datacenter.
A switch cover.
A failed Internet filtering service.
A type of encryption.

The original name for MS-DOS (as written by Tim Paterson) was:

MS-DOS
DOS
B-DOS
QDOS

The following is an 8-bit integer represented in 2's complement form (little-endian). Convert the number to hexadecimal. The number is: 10111001

Remember, the number is in 2's complement form.

-0xB9
-0x47
-0x185
-0xAE

Evaluate: (True && False) || (False && True)

True
False

Evaluate: (True || False) && !(False && True)

True
False

In fundamental subnetting, if a node on an IP network has an IP address of 172.20.245.139 with a subnet mask of 255.255.255.192. From the list below, what would be the IP broadcast address for that node.

172.20.245.150
172.20.245.191
172.20.245.240
172.20.245.255

If our sorting algorithm is $O(1)$ and the algorithm takes 'x' time units to "sort" 40 inputs, how long will it take to sort 100 inputs?

< 'x'
> 'x'
= 'x'
Cannot tell

Assume a file named "access_log" contains the following contents:

```
65.161.13.128 - - [18/Mar/2004:13:51:18 -0600] "GET /~jurbanek/pcs/glider.png HTTP/1.1"
81.11.179.193 - - [18/Mar/2004:13:52:01 -0600] "GET /~jurbanek/pcs/glider.png HTTP/1.1"
62.3.229.146 - - [18/Mar/2004:13:57:38 -0600] "GET /~jurbanek/pcs/glider.png HTTP/1.1"
81.11.179.193 - - [18/Mar/2004:13:59:49 -0600] "GET /~jurbanek/pcs/glider.png HTTP/1.1"
62.3.229.146 - - [18/Mar/2004:14:01:12 -0600] "GET /~jurbanek/pcs/glider.png HTTP/1.1"
137.229.64.243 - - [18/Mar/2004:14:27:45 -0600] "GET /~jurbanek/pcs/glider.png HTTP/1.1"
```

What would be the output of running the following command?

Command: `cat access_log | cut -d " " -f 1 | sort -u | wc -l`

Would not produce output.
4
6
0

If 8 Mib exactly of raw data (ignoring encoding/compression, etc) is traversing an interface each second, which of the following quantities is an equal representation?

Note: 'Mib' = binary megabit or officially 'mebibit' (as oppose to a metric megabit which would be abbreviated 'Mb')

8,000,000 b/s (bits per second)
1,048,576 B/s (bytes per second)
8,192 KiB/s (binary kilobytes ['kibibytes'] per second)
1,024 Kib/s (binary kilobits ['kibibits'] per second)