

Quiz - Paper 1

Instructions

- This quiz contains 25 multiple-choice questions.
- Select the best answer for each question.
- Time allowed: 30 minutes.

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1. What is the output of the following C code?

```
```c
#include <stdio.h>

int main() {
 int x = 5;

 printf("%d", x++ + ++x);

 return 0;
}
```

- A) 11
- B) 12
- C) Undefined behavior
- D) 10

### 2. What does the following C code print?

```
```c
#include <stdio.h>

int main() {
    int a = 10, b = 20;

    printf("%d", a + b ^2);

    return 0;
}
```

- A) 28
- B) 60
- C) 40
- D) 30

3. What is the output of the following C code?

```
```c
#include <stdio.h>

int main() {
 int x = 10;
 if (x = 5) {
 printf("True");
 } else {
 printf("False");
 }
 return 0;
}
```
```

- A) True
- B) False
- C) Compilation error
- D) Runtime error

4. What is the output of the following C code?

```
```c
#include <stdio.h>

int main() {
 int i = 0;
 for (; i < 5; i++) {
 printf("%d ", i);
 }
 return 0;
}
```
```

- A) 0 1 2 3 4
- B) 1 2 3 4 5
- C) 0 1 2 3 4 5
- D) Infinite loop

5. What is the output of the following C code?

```
```c
#include <stdio.h>

int main() {
 int arr[] = {1, 2, 3, 4, 5};
 printf("%d", (arr + 2));
 return 0;
}
```
```

- A) 1
- B) 2
- C) 3
- D) None of the above

6. Translate "This code slaps fr no cap" into professional developer language.

- A) This code is exceptionally well-written and effective, and I'm being sincere.
- B) This code needs significant review before deployment.
- C) This code has potential but requires refactoring.
- D) This code meets the minimum requirements but lacks optimization.

7. What does "This PR is mid" mean in GitHub speak?

- A) The pull request is mediocre/average
- B) The pull request is in the middle of being processed
- C) The pull request addresses middleware issues
- D) The pull request is halfway complete

8. What's the meaning of "LGTM" in a code review?

- A) Looks Good To Me
- B) Let's Get The Merge
- C) Long Gone Technical Mistake
- D) Let's Go To Meeting

9. What does "touch grass" suggest a programmer should do?

- A) Take a break from the computer and go outside
- B) Run the Unix touch command on a file named grass
- C) Use more eco-friendly programming practices

- D) Verify their code works on the Grasshopper platform

10. If someone says your code is "based," they mean:

- A) Your code is authentic, solid, and impressive
- B) Your code is derivative of someone else's work
- C) Your code relies too heavily on basic principles
- D) Your code needs to be rewritten from the base up

11. Calculate the correlation between proximity to finals week and the cleanliness of the CS lab.

- A) Strong negative correlation: cleanliness decreases as finals approach
- B) Strong positive correlation: cleanliness increases as finals approach
- C) No correlation: CS labs are consistently messy
- D) Parabolic relationship: cleanest mid-semester, messiest at beginning and end

12. What's the probability of finding a working outlet in the library during finals week?

- A) Approaches zero as the deadline approaches
- B) Directly proportional to your GPA
- C) Inversely proportional to the distance from the entrance
- D) Equal to the percentage of your laptop battery

13. How many Red Bulls mathematically equals one night of actual sleep before a coding exam?

- A) No amount can substitute - the answer tends to infinity
- B) Exactly 4.2 cans
- C) One can per hour of missed sleep
- D) The square root of your credit hours

14. What's the name for the phenomenon where you explain your code problem to someone and immediately see the solution?

- A) Rubber duck debugging
- B) Epiphany programming
- C) Socratic troubleshooting
- D) Vocalization clarity

15. On a scale of 1-10, how acceptable is it to cry in the computer lab?

- A) 2 - Only acceptable with headphones on
- B) 5 - Acceptable during finals week only

- C) 8 - A normal part of the CS experience
- D) 10 - The lab's ambient soundtrack

16. If you compile code while Mercury is in retrograde, what unexpected error appears?

- A) Error: Cosmic Interference - Try Again Later
- B) Warning: Variable Values May Change Unexpectedly During Planetary Misalignment
- C) Semicolons spontaneously transform into Greek question marks
- D) Your code works perfectly but your version control system loses all history

17. What's the cosmic consequence of using light mode in your IDE after midnight?

- A) Your soul is slowly drained with each character typed
- B) The IDE automatically switches to dark mode and judges you via passive-aggressive notifications
- C) Your code becomes visible to nocturnal debugging gremlins
- D) Your teammates silently question your life choices in the morning standup

18. If a tree falls in a forest and no one is around to hear it, does it raise an exception?

- A) Yes, but it's caught in a universal try-catch block
- B) No, it's logged to /dev/null
- C) It throws an UnobservedException Exception
- D) Only if the forest implements the proper listener interfaces

19. When your code works on the first try, which supernatural entity should you thank?

- A) The Ghost in the Machine
- B) The Programming Gods, with offerings of energy drinks
- C) Your future self who will eventually debug the hidden issues
- D) No one - it's actually a sign something is terribly wrong

20. If you divide by zero in the Bermuda Triangle, what happens?

- A) Your computer disappears, only to be found running Windows 98
- B) You create a quantum singularity that solves P=NP
- C) Your calculator displays the actual answer but no one believes you
- D) Your CPU temporarily achieves sentience and questions its existence

21. What's the recommended exorcism ritual for a possessed printer?

- A) Chanting "PC LOAD LETTER" three times while replacing the toner
- B) Performing the sacred Office Space ceremony with a baseball bat

- C) Drawing a pentagram of sticky notes with properly formatted print commands
- D) Threatening it with stories about the cloud and paperless offices

22. What's the air-speed velocity of an unladen git push?

- A) African or European repository?
- B) Directly proportional to the urgency of the deadline
- C) Inversely proportional to the size of the .gitignore file
- D) Fast enough to create temporal paradoxes in your commit history

23. How many developers does it take to change a light bulb?

- A) None, it's a hardware problem
- B) One to change it and nine to complain about how it was implemented
- C) Two — one to do it and one to explain why the previous approach was better
- D) It depends on whether the light bulb is properly documented

24. What's the actual purpose of the "Any" key?

- A) It's a legendary key that only appears to truly desperate users
- B) A practical joke by keyboard designers from the 1980s
- C) A metaphorical key representing the freedom of choice
- D) A psychological test to identify users who need additional training

25. If you pour coffee directly into your laptop, will it run Java faster?

- A) Yes, but only espresso for maximum efficiency
- B) Only if it's cold brew, hot coffee causes overheating
- C) No, laptops prefer energy drinks for processing power
- D) Temporarily yes, permanently no