

❑ Easy Level (10 Questions)

Q1. Which regular expression matches **any single character except newline**?

- A. \n
 - B. \w
 - C. .
 - D. \s
-

Q2. Which regex symbol matches a **single whitespace character**?

- A. \s
 - B. \w
 - C. \s
 - D. .
-

Q3. Which regex matches a **word character** (letter, digit, underscore)?

- A. \w
 - B. \w
 - C. \s
 - D. .
-

Q4. Which regex matches a **non-whitespace character**?

- A. \s
 - B. \n
 - C. .
 - D. \s
-

Q5. In Object-Oriented Programming, an **object** is best described as:

- A. A blueprint
 - B. A data type
 - C. An instance of a class
 - D. A module
-

Q6. Which Linux feature supports an Object-Oriented development environment?

- A. Multi-user capability
- B. Process scheduling

- C. Support for OOP languages
 - D. File permissions
-

Q7. Which keyword is used to define a class in Python?

- A. struct
 - B. define
 - C. class
 - D. object
-

Q8. What does \s represent in regular expressions?

- A. Whitespace
 - B. Non-whitespace
 - C. Newline
 - D. Word boundary
-

Q9. Which OOPS concept binds data and methods together?

- A. Abstraction
 - B. Inheritance
 - C. Encapsulation
 - D. Polymorphism
-

Q10. Which command environment is commonly used to run OOP-based scripts in Linux?

- A. BIOS
 - B. Kernel mode
 - C. Shell
 - D. Bootloader
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Medium Level (15 Questions)

Q11. Which regex will match the word “Linux” exactly?

- A. Linux*
- B. \w+
- C. Linux
- D. \s+

Q12. What will the regex `\w+` match?

- A. Only alphabets
 - B. Only digits
 - C. One or more word characters
 - D. Only whitespace
-

Q13. Which regex matches **any visible character except space?**

- A. .
 - B. \s
 - C. \S
 - D. \w
-

Q14. In Linux-based OOP applications, which layer interacts directly with hardware?

- A. Shell
 - B. Kernel
 - C. Application layer
 - D. File system
-

Q15. Which OOPS principle allows objects to take multiple forms?

- A. Encapsulation
 - B. Abstraction
 - C. Polymorphism
 - D. Inheritance
-

Q16. What will the regex `. NOT` match by default?

- A. Letter
 - B. Digit
 - C. Symbol
 - D. Newline
-

Q17. Which regex matches exactly **one whitespace**?

- A. \s
 - B. \s+
 - C. \s
 - D. \w
-

Q18. Which OOPS concept reduces complexity by hiding implementation details?

- A. Polymorphism
 - B. Abstraction
 - C. Inheritance
 - D. Compilation
-

Q19. Which Linux programming feature allows object-oriented scripting?

- A. Kernel threads
 - B. Dynamic linking
 - C. Interpreter support
 - D. Paging
-

Q20. What does \w represent in regex?

- A. Word character
 - B. Whitespace
 - C. Non-word character
 - D. Newline
-

Q21. Which relationship represents “**is-a**” in OOPS?

- A. Composition
 - B. Aggregation
 - C. Inheritance
 - D. Encapsulation
-

Q22. Which regex will match a **tab or space**?

- A. .
- B. \w
- C. \s
- D. \S

Q23. Which Linux feature enables reuse of OOP libraries?

- A. File permissions
 - B. Shared libraries
 - C. Virtual memory
 - D. Scheduling
-

Q24. Which concept ensures data security in OOPS?

- A. Inheritance
 - B. Polymorphism
 - C. Encapsulation
 - D. Overloading
-

Q25. Which regex matches a complete word boundary?

- A. \b
 - B. \w
 - C. .
 - D. \s
-

Hard Level (15 Questions)

Q26. What will the regex \s+ match?

- A. One or more whitespace characters
 - B. One or more non-whitespace characters
 - C. One whitespace only
 - D. Newline only
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Q27. Which regex ensures matching a word but not spaces?

- A. .
 - B. \s
 - C. \w+
 - D. \s*
-

Q28. In Linux OOP environments, which feature supports object persistence?

- A. Process table
 - B. File system
 - C. Scheduler
 - D. Kernel modules
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Q29. Which regex matches any character including whitespace but excluding newline?

- A. .
 - B. \s
 - C. \w
 - D. \S
-

Q30. Which OOPS concept allows one class to reuse another class's code?

- A. Abstraction
 - B. Encapsulation
 - C. Polymorphism
 - D. Inheritance
-

Q31. What is the output of applying . regex on string "A B"?

- A. Only A
 - B. A and B
 - C. A, space, B
 - D. Only space
-

Q32. Which regex differentiates words from symbols?

- A. \w
 - B. \s
 - C. .
 - D. \n
-

Q33. Which Linux concept best supports object interaction?

- A. Inter-process communication
- B. Boot sequence
- C. Memory paging
- D. Disk scheduling

Q34. Which regex matches **non-word characters**?

- A. \w
 - B. \W
 - C. \s
 - D. .
-

Q35. Which OOPS concept supports method overriding?

- A. Encapsulation
 - B. Abstraction
 - C. Inheritance
 - D. Compilation
-

Q36. Which regex matches exactly **one visible non-space character**?

- A. .
 - B. \s
 - C. \w
 - D. \s
-

Q37. Which Linux feature enables object-oriented frameworks to run efficiently?

- A. Kernel monolith
 - B. Multi-tasking
 - C. Hardware abstraction
 - D. BIOS
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Q38. Which regex matches characters except letters and digits?

- A. \w
 - B. \W
 - C. \s
 - D. .
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Q39. Which OOPS principle promotes scalability in Linux-based systems?

- A. Inheritance
- B. Encapsulation

- C. Modularity
 - D. Compilation
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Q40. Which regex matches a **single whitespace but not tab?**

- A. \s
- B. []
- C. \S
- D. .