

- ① The worst case running time for building a red-black tree is $O(n \log n)$

The worst case running time for B. Search Tree is $O(n^2)$

- ② 3 different types of files available in Unix.
- ③ BC (Java question)
- ④ `hyperlink `
- ⑤ `if (a==10) {a=45;}` Ans \rightarrow Compile Time error
- ⑥ Heading tags \rightarrow `<h1>` to `<h6>`
- ⑦ ``
- ⑧ Match pattern \rightarrow specific properties \rightarrow grep
- ⑨ `arr.length`
- ⑩ Calculate `4+2` \rightarrow None of these
- ⑪ Java `int sum=0; s+=i;` Ans \rightarrow 6
- ⑫ Web docs broken into sections \rightarrow Structure tags
- ⑬ Is `3*4` is equivalent to `3<<2` \rightarrow True
- ⑭ ZaraAli \rightarrow Hello
- ⑮ Accessed by a different class in the same package
 \rightarrow protected, default, public

- (16) Single Responsibility principle
- # Code is more readable
 - # Code is more reusable
 - # - Unit Testing is easier

- (17) process starts in background
→ `pwd &`

- (18) Tightly coupled classes

- (19) Makes use of median by $O(n)$ → `O(n log n)`

- (20) Not a primitive datatype in Java → `String`

- (21) Single responsibility principle C#

Use the cyclomatic complex.

Analyze classes

Use code Metrics

- (22) Constructors can be private → `True`

- (23) `S.O.P ln (a + " " + b + " " + c) :-` → `3 4 4`

- (24) Single responsibility principle entail → `Ensuring that each class`

- (25) Insert Javascript → `Both <head> & <body>`

- (26) `private int y` → `Compilation error`

- (27) print the no. of lines → `wc -l filename`

- (28) Java `int j=5; class A:` → `[0 3 4]`
- (29) Memory directly comm. with CPU → `Main memory`
- (30) Not a operating system → `Solaris`
- (31) Hello Gopal → `echo Hello $name`
`echo "Hello $name"`
- (32) Invalid variable names → All tick
- (33) Hiding complexity of an algo → Abstraction
- (34) List of coded instructions → Computer programs
- (35) External Bus → USB device
- (36) `<Frameset Col = '50%', '50%'>`
- (37) pay least attention to ordering → `selection sort`
- (38) In Unix → `path` variable specifies
- (39) Java `class E {int x=100; double y=100}` → `Compilation Fails`
- (40) `<basefont>`
- (41) `Class B {int arr[] = new int[5]}` → `5`
- (42) In Unix, Terminal is treated as standard i/o → `True`

④3 Heuristic Solution requires reasoning built on knowledge

④4 Can be used with keyword class
↳ private, public, protected

④5 Fragmentation storage space.

④6 List of items → Item 1
Item 2 → All of the above
Item 3

④7 <body style="background-color: white">

④8 Table in html → <table> <tr> <td>

④9 Benefits of solid → All tick.

⑤0 Liskov substitution principal → All tick

⑤1 class A {int a; } → 50