TEK Question Paper

Position: Jr. Software Engineer

Work Profile: BA/QA/Support

Note: Answer sheet to be submitted in word format within 2 days of receiving this Paper.

1. Let's say you have a log file "**debug.log**" in a particular directory of your Linux machine. From below find the command used to count the number of lines in the log file that matches the word "**error**"

    a) grep -c "error" debug.log   b) grep -i "error" debug.log c) grep –n "error" debug.log

    d) None of the above
    Ans: D

2. Which Linux command is used to create a new directory?

    a) makedir b) writedir c) newdir d) mkdir

    Ans: d(mkdir)

3. What are the basic components of LINUX?

    a) Library, Utility and Kornel   b) Kernel, System Utility and Stability

    c) Kernel, System library and System Utility   d) None of the above

    Ans: C

4. Is it legal to edit Linux Kernel?

    a) No b) Yes   c) Not allowed d) Not sure

    Ans: b (Yes)

5. Which is the first process started by Kernel?

    a) legit b) megit c) init d) startit

    Ans: c (Init)

6. What is the process id of the first process started by Kernel?

    a) 0   b) -1   c) 1   d) None of the above
    Ans: a (0)

7. How would you continuously monitor the log file a service that is running?

    a) tail -f !logfile   b) tail -f ^logfile   c) both a & b   d) tail -f $logfile

    Ans: C

8. How will you figure out the author of each file?

a) ls --author -l   b) ls author -l c) --author -l d) ls –author

Ans: c

9. How will you List files from a directory?

   a) list all b) list *.*   c) ltr d) ls

   Ana: d(Is)

10. How many types of Shells are there in Linux?

   a) 3   b) 5   c) 6   d) 2

   Ans: b (5)

11. The difference between 4/17 of 17/19 of a number and 3/38 of the same number is 17.5. Find the number.
    a) 17. 5 b) 18.5 c) 20 d) 133
    Ans: c (20)

12. a, b, c, and d are four numbers in arithmetic progression. Mean of these four numbers is 20. The common difference between the numbers is 6. Find the product of first and the last numbers.

    a) 124 b) 34 c) 919 d) 319
    Ans: d (319)

13. Today it is Thursday. After 132 days, it will be what day?

    a) Monday   b) Thursday c) Tuesday d) Friday
    Ans: b

14. A train 120 meters long is running with a speed of 60 km/hr. In what time will it pass a boy who is running at 6 km/hr in the direction opposite to that in which the train is going?

    a) 44.32 sec   b) 55 sec c) 6.54 sec d) 16.6 sec
    Ans: c (6.54 sec)

15. Devesh can cover a certain distance in 1 hour 24 minutes by covering two-third of the distance at 6 km/hour and the rest at 7 km/hr. Calculate total distance.

    a) 6 km   b) 9 km   c) 12 km   d) 7/5 km
    Ans: b (9)

16. Find the H.C.F, if the numbers are in the ratio of 4 : 5 : 6 and their L.C.M. is 2400.

    a) 15 b) 20 c) 30 d) 40
    Ans: 20

17. I walk a certain distance and ride the car back taking a total time of 33 Minutes. I could walk both sides in 45 min. How long would it take me to ride both ways?

    a) 19 mins   b) 20 mins c) 22 mins   d) 21 mins
    Ans: b (22)

18. The cost of setting up a magazine is Rs. 2800. The cost of paper and ink etc is Rs. 80 per 100 copies and printing cost is Rs. 160 per 100 copies. In last month 2000 copies were printed but only 1500 copies could be sold at Rs. 5 each. Total 25% profit on the sale price was realized. There is one more resource of income from magazine which is advertising. What sum of money obtained from the advertising in magazine?

    a) 1975 b) 1150 c) 2350 d) 1750
    Ans: a (1975)

19. Find the odd one from the following:

    a) Windows XP   b) CPU c) RAM   d) Harddisk
    Ans: a (Windows XP)

20. Four of the following five are alike in a certain way and so form a group. Which is the one that does not belong to that group?

    a) Tyre b) Speed c) Clutch d) Brake
    Ans: c (Clutch)

21. Which testing enables the tester to evaluate the software behavior when exceptions occur?

a. Fault Injection Testing   b. Fuzz Testing   c. Active Testing   d. Passive Testing

Ans: a (fault Injection Testing)

22. Which testing is performed with Planning and Documentation?

    a. Ad-hoc testing
    b. Monkey testing
    c. Fuzz testing
    d. End-to-End testing
    Ans: End-to-End testing

23. Which testing cannot be performed on first build of the software?

    a. Regression testing
    b. Retesting.
    c. Sanity testing
    d. All of these

    Ans: c (Sanity testing)

24. Which testing focuses on heavily testing of one particular module?

    a. Gorilla Testing
    b. Fuzz Testing
    c. Inter-Systems Testing
    d. Breadth Testing

    Ans: a (Gorilla Testing)

25. A tester is executing a test to evaluate and it complies with the user requirement for a certain field be populated by using a dropdown box containing a list of values, at that time tester is performing _____ .

    a.   White-box Testing
         b. Black-box Testing
         c. Load Testing
         d. Regression Testing

    Ans: b (Black-box-testing)

26. Test cases are created in which phase?

    a. Test Specification
    b. Test Planning
    c. Test Requirement
    d. Test Configuration

    Ans: a (Test Specification)

27. Which of the following Use Cases are useful?

a. Performance Testing
b. Business Scenarios
c. Static Testing
d. Unit Testing

Ans: b (Business Scenarios)

28. All defects result in failure.

a. True

b. False
   Ans: b (False)

29. Applications do not have the items needed for the tests when the tests get to commands. To get around this, we had a look at adding for 'waitFor' commands to test. This is related to while.

    a. Debugging tests
    b. Working with AJAX applications
    c. Working with multiple windows
    d. All of these

    Ans: b (Working with AJAX applications)

30. The customer is very cautious about the quality of a product. He needs all the combination of inputs and preconditions to be tested. Among using which of the testing principles the tester should tell the customer that such kind of testing is not feasible?

    a. Absence of error fallacy
    b. Defect clustering
    c. Pesticide paradox
    d. Exhaustive testing

    Ans: d (Exhaustive testing)

31. Data Manipulation Language (DML) is not to

    A) Create information table in the Database

    B) Insertion of new information into the Database
    C) Deletion of information in the Database
    D) Modification of information in the Database
    Ans: A

32. In any hierarchy of data organization, the smallest entity to be processed as a single unit is called

    A) Data field
    B) Datarecord
    C) Data file
    D) Database
    Ans: A

33. In SQL, which command is used to remove a stored function from the database?

    A) REMOVE FUNCTION B) DELETE FUNCTION   C) DROP FUNCTION   D) ERASE FUNCTION
    Ans: C (Drop Function)

34. In SQL, which command is used to select only one copy of each set of duplicable rows

    A) SELECT DISTINCT
    B) SELECT UNIQUE
    C) SELECT DIFFERENT
    D) All of the above
       Ans: A (Select Distinct)

35. In SQL, which command(s) is(are) used to enable/disable a database trigger?

   A) ALTER TRIGGER
   B) ALTER DATABASE
   C) ALTER TABLE
   D) MODIFY TRIGGER

   Ans: A (Alter Trigger)

36. Which of the following is not a Storage Manager Component?

   A) Transaction Manager
   B) Logical Manager
   C) Buffer Manager
   D) File Manager

   Ans: B (Logical Manager)

37. If you want to group the records in the abc database, you could use the Job code as the

   A) Delete
   B) Update
   C) Sort Key
   D) Index

   Ans: C (Sort key)

38. The Primary key must be

   A) Non Null
   B) Unique
   C) Option A or B
   D) Option A and B

   Ans: D (Option A and B)

39. In a large DBMS

   A) Each user can "see" only a small part of the entire database
   B) Each user can access every sub-schema
   C) Each subschema contains every field in the logical schema
   D) All of the above

   Ans: A

40. One data dictionary software package is called

   A) DB/DC dictionary B) TOTAL   C) ACCESS D) Any of the above

   Ans: A (DB/DC Dictionary)

Q 41. Please review the below websites and give a brief writeup of 1 page in your own words describing the Products/Purpose and how you will add value to the company (DO NOT COPY PASTE from the website)

www.tekchand.com

https://www.kyc2020.com/