1. What is Talend ?
2. What is difference between ETL and ELT components of Talend ?
3. How to deploy talend projects ?
4. What are types of available version of Talend ?
5. How to implement versioning for talend jobs ?
6. What is tMap component ?
7. What is difference between tMap and tJoin compoents ?
8. Which component is used to sort that data ?
9. How to perform aggregate operations/functions on data in talend ?
10. What types of joins are supported by tMap component ?
11. How to schedule a talend job ?
12. How to runs talend job as web service ?
13. How to Integrate SVN with Talend ?
14. How to run talend jobs on Remote server ?
15. How to pass data from parent job to child jobs through trunjob component ?
16. How to load context variables dynamically from file/database ?
17. How to run talend jobs in Parallel ?
18. What is Context variables ?
19. How to export a talend job ?
20. What is the purpose of Talend Runtime ?
21. How to use Talend job conductor ?
22. How to send email notifications with job execution status ?
23. [Difference between tMap and tJoin component in Talend .](http://dwetl.com/2015/01/09/difference-between-tmap-and-tjoin/)
24. Difference between tAggregaterow and tAggregatesortedrow.
25. [Difference between tJava,tJavarow,tJavaflex.](http://dwetl.com/2015/03/02/difference-between-tjavatjavarowtjavaflex/)
26. How to improve the performance of Talend job having complex design?
27. Difference between built in schema and Repository.
28. What is the declaration of method which we define in system routine?
29. What is XMS and XMX parameter in Talend?
30. How to resolve heap space issue in Talend ?
31. How to do the exception handling in Talend?
32. What is Default join for tMap.
33. What are the different lookup patterns available with Talend?
34. What is the basic requirement while updating the perticular table?
35. How to generate surrogate key by using Talend?
36. What is the use of Expression editor in Talend?
37. How to debug a particular Talend job.
38. What is context variable and context group?
39. How to pass the variables from parent job to child job and from child job to Parent?
40. How to forcefully exit the job.
41. Explain the use of tContextload.
42. How to execute multiple queries by using Talend?
43. How to do the multithreading while executing the Job?
44. What is hashmap in Talend and how to use it?
45. How to do the full join in Talend.Explain the steps.
46. How to do the right outer join in Talend? Explain the steps?
47. How the ELT database components are differ from ETL database Components.
48. [How to use the external libraries in Talend?](http://dwetl.com/2015/02/18/how-to-add-third-party-libraries-to-talend-project/)
49. How to pass data from parent job to child jobs through tRunjob component ?
50. How to load context variables dynamically?
51. How to Share DB Connection in Talend?
52. Skip Header rows and footer rows before load.
53. What is Incremental Load? Describe using Talend.
54. How can you pass a value form parent job to child job in Talend.
55. How to call stored procedure and function in Talend Job

**Advanced Talend Interview Questions For Experienced**

1. Difference between tAggregatedRow and tAggregateSortedRow in Talend  
2. How to resume job execution from same location if job get failed in Talend  
3. How to execute more than one sub jobs parallel in Talend  
4. How to iterate filename and directories in Talend  
5. What is the difference between OnSubjobOK and OnComponentOK in Talend  
6. How can you pass a value form parent job to child job in Talend  
7. How to call stored procedure and function in Talend Job  
8. How to export job and execute outside from Talend Studio  
9. How to pass value from outside in Talend  
10. Can I define schema of database or tables at run time  
11. What is tReplicate in Talend  
12. What is tUnite in Talend Open Studio  
13. How to optimize talend job to stop outOfMemory runtime error  
14. How to optimize Talend Performance  
15. How to execute multipule SQL statements with one component in Talend  
16. What is tSystem component in Talend  
17. Can I execute multiple commands at one time with a tSystem component  
18. What is difference between tMap and tFilterrow in Talend

**Talend Scenarios Interview Questions**

1. What is the difference between the ETL and ELT components of Talend Open Studio?  
2. How does one deploy Talend projects?  
3. What are the elements of a Talend project?  
4. What is the most current version of Talend Open Studio?  
5. How do you implement versioning for Talend jobs?  
6. What is the tMap component?  
7. What is the difference between the tMap and tJoin components?  
8. Which \*component\* is used to sort data?

**Real-Time Talend Interview Questions**

1. Talend workspace path should not contain any spaces.  
2. Never forget to perform Null Handling.  
3. Create Repository Metadata for DB connections and retrieve database table schema for DB tables.  
4. Use Repository Schema for Files/DB and DB connections.  
5. Create Database connection using t<Vendor>Connection component and use this connection in the Job. Do not make new connection with every component.  
6. Always close the connection to database using t<Vendor>Close component.  
7. Create a Repository Document corresponding to every Talend job including revision history.  
8. Provide Sub Job title for every sub job to describe the sub job purpose/objective.  
9. Avoid Hard Coding in Talend Job component. Instead use Talend context variables.  
10. Create Context Groups in Repository  
11. Use Talend.properties file to provide the values to context variables using tContextLoad.  
12. Create Variables in tMap and use the variables to assign the values to target fields.  
13. Create user routines/functions for common transformation and validation.  
14. Develop Talend job iteratively.  
15. Always Exit Talend open studio before shutting down the PC.  
16. Always rename Main Flows in Talend Job to meaningful names.  
17. Always design Talend jobs by keeping performance in mind.

**Talend Certification Exam Questions**

1. Remove Unnecessary fields/columns ASAP using tFilterColumns component.  
2. Remove Unnecessary data/records ASAP using tFilterRows component  
3. Use Select Query to retrieve data from database  
4. Use Database Bulk components  
5. Store on Disk Option  
6. Allocating more memory to the Jobs  
7. Parallelism  
8. Use Talend ELT Components when required  
9. Use SAX parser over Dom4J whenever required  
10. Index Database Table columns  
11. Split Talend Job to smaller Subjobs