



✓ **Congratulations! You passed!**
TO PASS 70% or higher

Keep Learning

GRADE
100%

Module 2 Quiz

LATEST SUBMISSION GRADE
100%

1. Where are basic analyses you can perform found in the Galaxy interface?

1 / 1 point

- ☐ Data Libraries
- ☐ The Workflow Tab
- ☐ The History
- ☒ The Tool Panel

✓ **Correct**

2. Where are the datafiles and output of analysis you have performed located in the Galaxy interface?

1 / 1 point

- ☐ Data Libraries
- ☐ The Tool Panel
- ☐ The Workflow Tab
- ☒ The History

✓ **Correct**

3. Where can I find tools that download or upload data to Galaxy?

1 / 1 point

- ☒ Get Data in the tool panel
- ☐ In the Galaxy History
- ☐ Shared Data tab in Galaxy's top navigation bar
- ☐ The Workflow Tab

✓ **Correct**

4. What file format was used for both the exon and repeat data in the exercise?

1 / 1 point

- ☐ GFF file format
- ☒ BED file format
- ☐ FASTA file format
- ☐ TXT file format

✓ **Correct**

5. What information is not contained within a BED file?

1 / 1 point

- ☐ Chromosome name for each feature
- ☒ The genome the feature belongs to
- ☐ Position on chromosome for each feature
- ☐ A name for each feature

✓ **Correct**

6. What does the "Operate on Genomic Intervals: Join" tool do?

1 / 1 point

- ☒ Join overlapping region from two or more datasets
- ☐ Combine overlapping regions within a single dataset

- ☐ Match rows in one or more datasets that share the same key
- ☐ Combine regions that are located close to each other along the chromosome

✓ Correct

7. What question are we trying to answer using the exon and repeat data?

1 / 1 point

- ☒ How many repeat regions overlap each exon region?
- ☐ How many exons overlap each repeat region?
- ☐ Which exons overlap a repetitive element?
- ☐ How many exons in each gene?

✓ Correct

8. Which of the following can be done with the group tool?

1 / 1 point

- ☐ Combine columns based on common values
- ☒ Count the occurrence of each record or data field within a file
- ☐ Identify datasets with similar characteristics
- ☐ Combine datasets based on similar fields

✓ Correct

9. How does Galaxy assist in the reproducibility of analysis?

1 / 1 point

- ☐ Allows repeating the entire analysis
- ☒ All of these options
- ☐ Automatically maintains records of tools and parameters
- ☐ Archives data from external databases that may change

✓ Correct

10. The "pencil" icon in the Galaxy history allows you to do all but

1 / 1 point

- ☐ Provide an annotation for a datasets
- ☐ Modify metadata about a datasets
- ☒ Edit a dataset's contents
- ☐ Modify the name of a datasets

✓ Correct

11. The file [Quiz3_Genes.bed](#) contains locations of how many transcripts?

1 / 1 point

- ☐ 1510
- ☐ 1620
- ☒ 1720
- ☐ 1320

✓ Correct

12. The file [Quiz3_Genes.bed](#) contains locations of how many genes?

1 / 1 point

- ☒ 1510
- ☐ 1620
- ☐ 1720
- ☐ 1320

✓ Correct

13. What is a workflow?

1 / 1 point

- ☐ A tutorial for analyzing a type of data
- ☐ A description of how to carry out an analysis on a specific dataset
- ☒ An abstract representation of a multi-step analysis
- ☐ A summary of the provenance of a given piece of data

✓ Correct

14. How can a workflow be added to a Galaxy instance?

1 / 1 point

- ☒ All of these options
- ☐ Create a workflow from an existing history
- ☐ Import a workflow from a file
- ☐ Create a new workflow from scratch with the workflow editor

✓ Correct

15. Which of the following statements is true?

1 / 1 point

- ☐ A workflow can only operate on one type of data
- ☒ Galaxy allows sending workflow data to a new history
- ☐ Workflows cannot run multiple tools in parallel
- ☐ Files can be uploaded as part of running a workflow

✓ Correct

16. Which are advanced options available in workflows?

1 / 1 point

- ☒ Both of these options
- ☐ Hide datasets that represent intermediate steps
- ☐ Neither of these options
- ☐ Rename output datasets

✓ Correct

17. Which of the following is true of tags?

1 / 1 point

- ☒ An item can have more than one of them
- ☐ They can only be created by a Galaxy administrator
- ☐ They can contain arbitrary free form text
- ☐ They can only be attached to datasets

✓ Correct

18. Which of the following is true of annotations?

1 / 1 point

- ☐ They can only be created by a Galaxy administrator
- ☐ An item can have more than one of them
- ☒ They can contain arbitrary free form text
- ☐ They can only be attached to datasets

✓ Correct

19. Which of the following is true of tags and annotations?

1 / 1 point

- ☐ They can be used for search

- ☐ They allow users to provide additional information about entities in Galaxy
- ☐ They can be attached to Datasets, Histories, and Workflows
- ☒ All of these options

✓ Correct

20. What does it mean to share a galaxy history?

1 / 1 point

- ☐ Make the history automatically available on any Galaxy server
- ☐ Make it possible to download an entire history
- ☐ Automatically send an email/tweet/facebook with a link to it
- ☒ Only certain users will be able to access it

✓ Correct

21. What does it mean to publish a galaxy history?

1 / 1 point

- ☐ Email the history
- ☐ Post it on social media (twitter/facebook)
- ☒ The history will be listed in a central, public place within Galaxy and all users can access it
- ☐ Post it on a blog

✓ Correct

22. What do you need to share a history with just one user?

1 / 1 point

- ☐ Galaxy administrator access
- ☐ It cannot be done; a history can only be shared with all users
- ☒ The email associated with the user's Galaxy account
- ☐ Access to a server where the data can be uploaded to

✓ Correct

23. Who can see a history that's been made 'accessible'?

1 / 1 point

- ☐ It is visible on the 'Published Histories' page so anyone that clicks on the history name
- ☐ Only people I have given explicit permission
- ☒ Anyone who knows the URL (the browser address)
- ☐ Only the person that owns (i.e., has created) this history

✓ Correct

24. Where are published histories found on Galaxy?

1 / 1 point

- ☐ On the Galaxy's wiki
- ☐ In a Data Library
- ☐ All of these options
- ☒ Shared Data -> Published Histories

✓ Correct

25. What can you do if you no longer want a history to be accessible?

1 / 1 point

- ☐ It must be deleted
- ☒ From the same interface used to make it accessible: use the 'Share or Publish' link in the history options
- ☐ Rename the history
- ☐ Need to send an email to helpdesk and ask to make it private

✓ Correct

26. What do Galaxy pages allow you to do?

1 / 1 point

- ☐ Add and format text
- ☒ All of these options
- ☐ None of these options
- ☐ Embed histories

✓ Correct

27. Why can annotations be important in a Galaxy page?

1 / 1 point

- ☐ They are needed to attach histories and workflow to a page
- ☐ They are required to share the page with others
- ☐ They provide machine readable provenance information
- ☒ They can be used to describe why an analysis was performed in a particular way

✓ Correct

28. What are Data Libraries?

1 / 1 point

- ☐ A way to get data from external databases
- ☒ Another way to share data and make it easy to find
- ☐ Where all data that is shared by users can be found
- ☐ How you search through data you have created in Galaxy

✓ Correct