

# Jenkins – Passing Parameters

# Jenkins – Parameters to Job?

- What is the need to pass parameters to a Jenkins Job??
- Parameters can be defined as System or Environment variables and Jenkins can use them as per need

# Create a Multi-Branch Java Repo

- Create a Git Repo (Parameter\_Jenkins) having 3 Branches – master, rfe and integration
- Type in Hello.java and put in Sys.out which prints the branch name
  - >git branch rfe ##Creates new branch
  - >git checkout rfe ##Switches to new branch
  - >After all changes, please commit and then push using
  - >git push –u origin rfe ##Pushes rfe branch to server
- Save & Push all 3 branches to the server

# Create Parameterized Job

- Create a new Job in Jenkins (Freestyle)
- Specify Choice Parameter

☒ This project is parameterized ?

Choice Parameter

X

?

?

?

?

Name

Branch\_Name

Choices

master  
rfe  
integration

Description

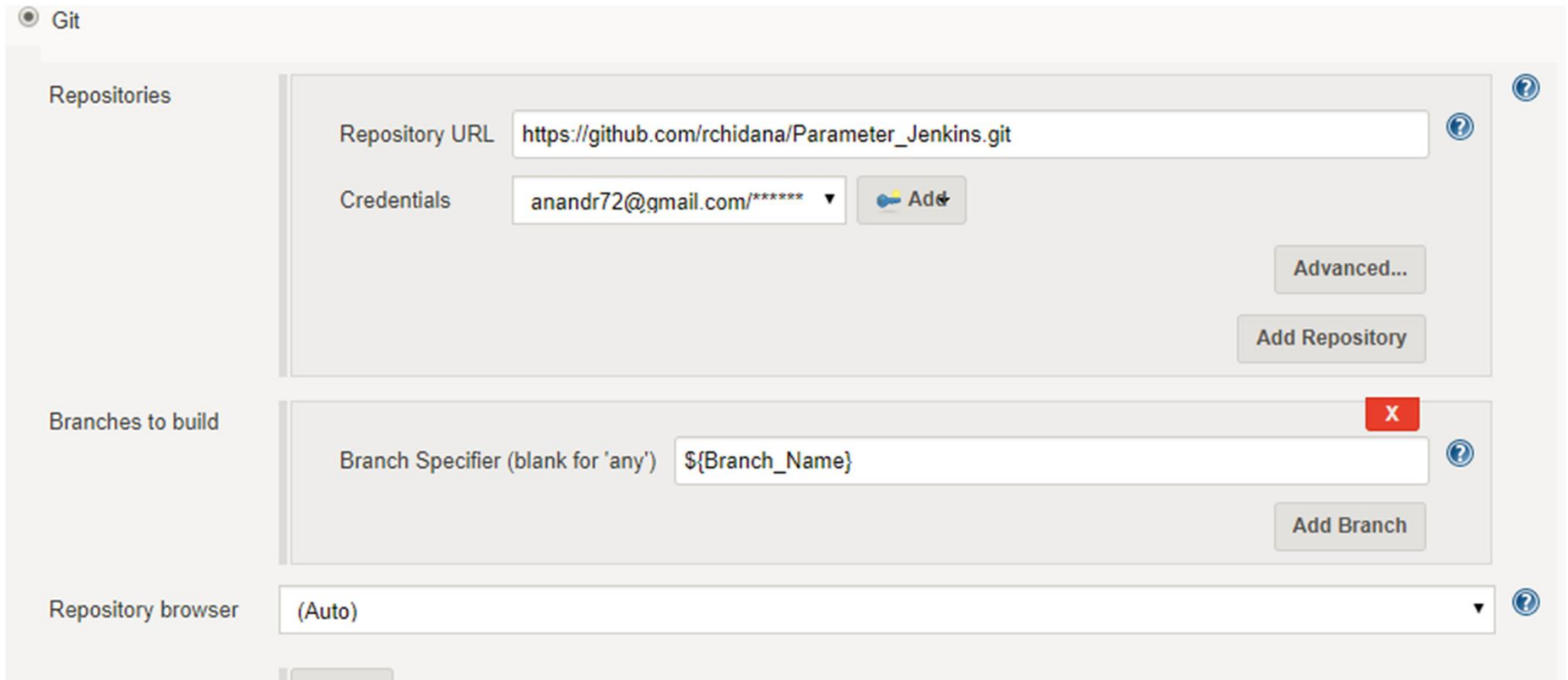
Please Select Branch you want to Build

[Plain text] [Preview](#)

Add Parameter ▼

# Create Parameterized Job

- Specify Git Source for this job
- Pick Parameter using `${PARAMETER_NAME}`



The screenshot shows the Jenkins configuration interface for a 'Git' source. The left sidebar has a 'Git' icon. The main area is divided into three sections: 'Repositories', 'Branches to build', and 'Repository browser'. The 'Repositories' section contains a 'Repository URL' field with the value 'https://github.com/rchidana/Parameter\_Jenkins.git', a 'Credentials' dropdown menu showing 'anandr72@gmail.com/\*\*\*\*\*', an 'Add' button, an 'Advanced...' button, and an 'Add Repository' button. The 'Branches to build' section has a 'Branch Specifier (blank for \'any\')' field with the value '\${Branch\_Name}', an 'Add Branch' button, and a red 'X' icon. The 'Repository browser' section has a dropdown menu set to '(Auto)'.

Git

Repositories

Repository URL

Credentials  Add

Advanced...

Add Repository

Branches to build

Branch Specifier (blank for 'any')

Add Branch

Repository browser

# Create Parameterized Job

- Put in Build command to run Java class
- Run the job by specifying Parameter

**Build**

Execute Windows batch command

Command

```
javac Hello.java  
java Hello
```

[See the list of available environment variables](#)

Advanced...

Add build step ▾