How to create user in Jenkins server??

Manage Jenkins > Users > Create User

Manage Jenkins > Security > Authorization > Matrix Based Security > Add user

Using docker commands without sudo (don’t use sudo su)

Grep –E ‘^docker:’ /etc/group

Sudo groupadd docker

Sudo usermod –aG docker <username>

Exit or logout or sudo reboot

Automatic restart of a container when vm starts??

We can do this 3 ways

1. While creating docker container we can use --restart=always
2. Docker compose file
3. Systemd service- in service part we need to give restart always.
4. First pipeline (Python)

pipeline {  
    agent any  
     parameters {  
        string(name: 'yearInput', defaultValue:'1900', description: 'Enter a year:')  
    }  
  
    stages {  
        stage('Checkout') {  
            steps {  
  
               git branch: 'main', url: '[https://github.com/SwathiIndla/leap-year.git'](https://github.com/SwathiIndla/leap-year.git%27)  
            }  
        }  
  
        stage('Run Python Leap Year Code') {  
            steps {  
                script {  
  
                 def year = params.yearInput  
                 //sh "python3 year.py ${year}"  
                 def result = sh(script: "python3 year.py ${year}",returnStdout:true)  
                 env.RESULT=result  
  
  
  
                }  
            }  
        }  
        stage('file'){  
            steps{  
                script{  
                 def buildNumber = env.BUILD\_NUMBER   
                 def fileName = "leap\_year${buildNumber}.txt"  
                 env.FILENAME=fileName  
                }  
            }  
        }  
        stage('store'){  
            steps{  
                script{  
                 writeFile file: fileName, text: result  
                 archiveArtifacts artifacts: fileName, onlyIfSuccessful: true  
                }  
            }  
        }  
        stage('result'){  
            steps{  
                echo result  
            }  
        }  
    }  
  
    post {  
        success {  
            echo 'Pipeline executed successfully!'  
        }  
        failure {  
            echo 'Pipeline failed!'  
        }  
    }  
}

pipeline {  
    agent any  
     parameters {  
        string(name: 'yearInput', defaultValue:'1900', description: 'Enter a year:')  
    }  
  
    stages {  
        stage('Checkout') {  
            steps {  
  
               git branch: 'main', url: '[https://github.com/SwathiIndla/leap-year.git'](https://github.com/SwathiIndla/leap-year.git%27)  
            }  
        }  
  
        stage('Run Python Leap Year Code') {  
            steps {  
                script {  
  
                 def year = params.yearInput  
                 //sh "python3 year.py ${year}"  
                 def result = sh(script: "python3 year.py ${year}",returnStdout:true)  
                 env.RESULT=result  
  
  
  
                }  
            }  
        }  
        stage('file'){  
            steps{  
                script{  
                 def buildNumber = env.BUILD\_NUMBER   
                 def fileName = "leap\_year${buildNumber}.txt"  
                 env.FILENAME=fileName  
                }  
            }  
        }  
        stage('store'){  
            steps{  
                script{  
                 writeFile file: fileName, text: result  
                 archiveArtifacts artifacts: fileName, onlyIfSuccessful: true  
                }  
            }  
        }  
        stage('result'){  
            steps{  
                echo result  
            }  
        }  
    }  
  
    post {  
        success {  
            echo 'Pipeline executed successfully!'  
             emailext subject: "Pipeline Sucess: ${currentBuild.fullDisplayName}",  
                     body: "The pipeline ${currentBuild.fullDisplayName} has Success. Please check the Jenkins console output for details.",  
                     to: "alavalapatisree2014@gmail.com ,swathiendla21@gmail.com",  
                     attachLog: true  
        }  
        failure {  
            echo 'Pipeline failed!'  
             emailext subject: "Pipeline Failed: ${currentBuild.fullDisplayName}",  
                     body: "The pipeline ${currentBuild.fullDisplayName} has failed. Please check the Jenkins console output for details.",  
                     to: "alavalapatisree2014@gmail.com,swathiendla21@gmail.com",  
                     attachLog: true  
        }  
  
    }  
}