pipeline {

agent any

environment {

AWS\_DEFAULT\_REGION = 'ap-south-1'

S3\_BUCKET\_NAME = 'shyamala3'

DAYS\_TO\_KEEP = 5

}

stages {

stage('Delete Old Files from S3') {

steps {

script {

// Get the current date in YYYY-MM-DD format

def currentDate = sh(script: 'date "+%Y-%m-%d"', returnStdout: true).trim()

// Calculate the date 5 days ago

def cutoffDate = sh(script: "date -d '-${DAYS\_TO\_KEEP} days' '+%Y-%m-%d'", returnStdout: true).trim()

// List objects in the S3 bucket

def s3Objects = sh(script: "aws s3 ls s3://${S3\_BUCKET\_NAME}/", returnStdout: true).trim()

// Iterate over each line in the S3 objects list

s3Objects.split('\n').each { objectInfo ->

def objectDate = objectInfo =~ /(\d{4}-\d{2}-\d{2})/

if (objectDate) {

// Extract the date from the object information

def objectDateString = objectDate[0][0]

// Compare the object date with the cutoff date

if (objectDateString < cutoffDate) {

// Delete the object from the S3 bucket

sh "aws s3 rm s3://${S3\_BUCKET\_NAME}/${objectInfo.split(' ')[-1]}"

}

}

}

}

}

}

}

}