pipeline {  
 agent any

// Define parameters at the top level  
 parameters {  
 string(name: 'FIRST', defaultValue: '10', description: 'First number')  
 string(name: 'SECOND', defaultValue: '20', description: 'Second number')  
 }

stages {  
 stage('Run Normal Java Job') {  
 steps {  
 script {  
 echo 'Running non-parameterized Java job...'

// Path to the normal Java file  
 def javaFilePath = 'C:\\Users\\admin\\OneDrive\\Desktop\\jenkins\\Main.java'

// Compile the Java file  
 bat "javac ${javaFilePath}"

// Run the Java program (Main class)  
 bat "java -cp C:\\Users\\admin\\OneDrive\\Desktop\\jenkins Main"  
 }  
 }  
 }

stage('Run Parameterized Java Job') {  
 steps {  
 script {  
 echo "Running parameterized Java job with parameters FIRST=${params.FIRST} and SECOND=${params.SECOND}"

// Path to the parameterized Java file  
 def javaFilePath = 'C:\\Users\\admin\\OneDrive\\Desktop\\jenkins\\Add.java'

// Compile the Java file  
 bat "javac ${javaFilePath}"

// Run the Java file with parameters  
 bat "java -cp C:\\Users\\admin\\OneDrive\\Desktop\\jenkins Add ${params.FIRST} ${params.SECOND}"  
 }  
 }  
 }  
 }

post {  
 always {  
 echo 'Cleaning up...'  
 // Optionally clean up compiled class files  
 bat 'del C:\\Users\\admin\\OneDrive\\Desktop\\jenkins\\\*.class'  
 }  
 }  
 }

Main.java

public class Main {

public static void main(String[] args) {

int first = 10;

int second = 20;

// add two numbers

int sum = first + second;

System.out.println(first + " + " + second + " = " + sum);

}

}

public class Add {

public static void main(String[] args) {

// Check if two arguments are passed

if (args.length != 2) {

System.out.println("Please provide two integer arguments.");

return;

}

// Parse the command-line arguments

int first = Integer.parseInt(args[0]);

int second = Integer.parseInt(args[1]);

// Add the two numbers

int sum = first + second;

// Print the result

System.out.println(first + " + " + second + " = " + sum);

}

}

def main():

first = 10

second = 20

# Add the two numbers

sum\_ = first + second

# Print the result

print(f"{first} + {second} = {sum\_}")

if \_\_name\_\_ == "\_\_main\_\_":

main()

import sys

def main():

if len(sys.argv) != 3:

print("Please provide two numbers.")

return

first = int(sys.argv[1])

second = int(sys.argv[2])

sum\_ = first + second

print(f"{first} + {second} = {sum\_}")

if \_\_name\_\_ == "\_\_main\_\_":

main()