Below are steps used to run simple docker commands from Jenkins:

#1. Login to Jenkins, select New Item, then give a name to it, select Pipeline

#2.Under PIpeline section, select Pipeline Script, write below groovy script

pipeline {

agent any

stages {

stage('Build') {

steps{

bat "docker -H192.168.99.100:2376 run hello-world";

echo "This is Build stage";

}

}

stage('Test') {

steps {

echo "This is Test stage";

}

}

}

}

#3. Apply and save. Now before Building, you need to make arrangement, for Docker client command and to run Jenkins as Administrator User.

#4. DOwnload Docker CLient from <http://download.docker.com>., make this path available under PATH environment variable

#5. You need to perform below to run Jenkins as Administrator User

Start => 'services' => Scroll to the Jenkins service => right click => properties => "log on" => "this account" => specify a local admin account login username & password.

(By default Jenkins Service runs as jenkins user)

#6. Now goback to Jenkins, select Build Now, and observe Build console output

NOTE:Below are commands used to start and stop jenkins service on Windows

net start jenkins

net stop jenkins