## JENKINS DECALRATIVE PIPELINE

# PIPELINE AS A CODE PARAMETERS:

### **STRING**

```
pipeline {
  agent any
  environment {
       name = 'raham'
    }
    parameters {
       string(name: 'person', defaultValue: 'raham shaik', description: "how are you")
    }
 stages {
    stage('parameters') {
       steps {
         echo "Hello world"
       }
    }
 }
}
```

#### **BOOLEAN**

```
pipeline {
    agent any
    parameters {
        booleanParam(name: 'db', defaultValue: true, description: "")
    }
    stages {
```

```
stage('parameters') {
    steps {
        echo 'this isn my prod stage'
    }
}
```

#### **CHOICE**

```
pipeline {
    agent any
        parameters {
        choice(name: 'server', choices: ['a','b','c'], description: "")     }
    stages {
        stage('parameters') {
            steps {
                 echo 'this is my prod stage'
            }
        }
    }
}
```

#### **INPUT**

```
pipeline {
   agent any
stages {
    stage('git') {
    steps {
        echo "This is code"
```

```
}
    }
 stage('build') {
      steps {
         echo 'this is build'
      }
    }
 stage('Deploy') {
     input {
         message "Can We Continue ?"
         ok "Yes We Can Continue"
    }
      steps {
         echo 'Hello World deploy'
      }
    }
 }
}
```

### **POST BUILD ACTIONS**

#### **ALWAYS:**

```
pipeline {
    agent any
    stages {
        stage('Hello') {
            steps {
                echo 'Hello World
            }
        }
}
```

```
post{
   always {
       echo 'THIS WILL BE PRINTED ANYWAY'
     }
   }
}
FAILED:
```

```
pipeline {
 agent any
 stages {
    stage('Hello') {
      steps {
         eco "Hello World"
      }
    }
 }
 post{
    failure {
         echo 'THIS WILL BE PRINTED IF THE BUILD GETS FAILED'
      }
    }
}
```

#### **SUCCESS:**

```
pipeline {
  agent any
  stages {
    stage('Hello') {
       steps {
```

```
echo "Hello World"

}

post{
success {
    echo 'THIS WILL BE PRINTED IF THE BUILD GETS SUCESS'
}
}
```

#### **ALL POST BUILD ACTIONS**

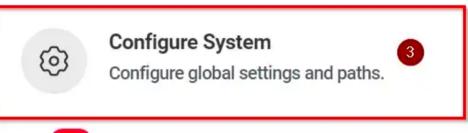
```
pipeline {
 agent any
 stages {
    stage('Hello') {
      steps {
        echo "Hello World"
      }
   }
 }
 post{
    always {
        echo 'THIS WILL BE PRINTED ANYWAYS'
      }
    failure {
        echo 'THIS WILL BE PRINTED IF THE BUILD GETS FAILED'
      }
    }
    success {
```

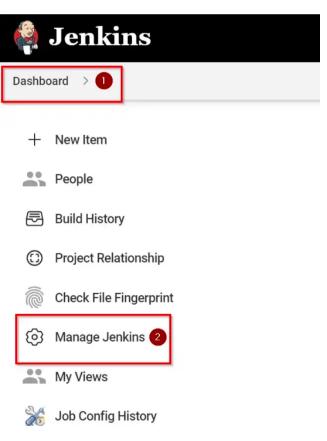
```
}
```

}

# TO GET BUILD INFO:

### **System Configuration**









# PIPELINE UP STREAM & DOWN STREAM

```
pipeline {
  agent any
  stages {
    stage('Start') {
```

```
steps {
    echo 'Hello'
    }
}
stage ('Invoke_pipelineA') {
    steps {
       build job: 'pipeline2'
    }
}
stage('End') {
    steps {
       echo 'Bye'
    }
}
```

}