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 {
```

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

TO GET BUILD INFO:

System Configuration

Configure System ③
Configure global settings and paths.

Jenkins

Dashboard > ①

+ New Item

People

Build History

Project Relationship

Check File Fingerprint

Manage Jenkins ②

My Views

Job Config History

☑ Environment variables
  List of variables ?

```
pipeline {

  agent any

  stages {

    stage('Select docker registry') {

      steps {

        script {

          sh 'printenv'

        }

      }

    }

  }
}
```

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'

        }

    }

  }

}
```