

JENKINS ADVANCE PIPELINES:

JENKINS POST BUILD ACTIONS:

```
pipeline {  
    agent any  
  
    stages {  
        stage('Hello') {  
            steps {  
                echo 'Hello World'  
            }  
            post {  
                always {  
                    echo "this will be printed anyways"  
                }  
            }  
        }  
    }  
  
    post {  
        always {  
            echo "This block always runs."  
        }  
        changed {  
            echo "This block runs when the current status is different than the previous one."  
        }  
    }  
}
```

```
fixed {  
    echo "This block runs when the current status is success and the previous one was  
failed or unstable."  
}  
  
regression {  
    echo "This block runs when the current status is anything except success but the  
previous one was successful."  
}  
  
unstable {  
    echo "This block runs if the current status is marked unstable."  
}  
  
aborted {  
    echo "This block runs when the build process is aborted."  
}  
  
failure {  
    echo "This block runs when the build is failed."  
}  
  
success {  
    echo "This block runs when the build is succeeded."  
}  
  
unsuccessful {  
    echo "This block runs when the current status is anything except success."  
}  
}  
}
```

JENKINS WHEN CONDITION:

```
pipeline {  
    agent any  
    stages {  
        stage("Test") {  
            when {  
                equals(actual: currentBuild.number, expected: 5)  
            }  
            steps {  
                echo "Hello World!"  
            }  
        }  
    }  
}
```

Note: In the above pipeline, when the build id is 5, then only stage will gets executed.

WHEN NOT:

```
pipeline {  
    agent any  
    stages {  
        stage("Test") {  
            when {  
                not {  
                    branch "master"  
                }  
            }  
        }  
    }  
}
```

```
    }  
  }  
  steps {  
    echo "Test stage."  
  }  
}  
}
```

ALL OF:

```
pipeline {  
  agent any  
  stages {  
    stage("Deploy") {  
      when {  
        allOf {  
          branch "master"  
          environment(name: "ENV", value: "production")  
          tag "release-*"  
        }  
      }  
      steps {  
        echo "Deploy to production."  
      }  
    }  
  }  
}
```

```
}  
  
}
```

ANY OF:

```
pipeline {  
    agent any  
  
    stages {  
        stage("NewFeature") {  
            when {  
                anyOf {  
                    branch "feature"  
                    changelog ".*new feature.*"  
                }  
            }  
        }  
    }  
  
    steps {  
        echo "Test new feature."  
    }  
}  
}
```

BUILD PERIODICALLY:

```
pipeline {  
    agent any  
  
    triggers {
```

```
    cron "*" * * * *"  
  
  }  
  
  stages {  
  
    stage("Test") {  
  
      steps {  
  
        echo "Hello World!"  
  
      }  
  
    }  
  
  }  
  
}
```