**ASS-34.3**

**Explain in brief with their uses.**

**● Oozie Action and Decision Nodes**

**Action node**

An action node represents a workflow task, e.g., moving files into HDFS, running a MapReduce, Pig or[Hive](http://www.guru99.com/hive-tutorials.html)jobs, importing data using Sqoop or running a shell script of a program written in Java.

**Decision Control Node-**A decision node enables a workflow to make a selection on the execution path to follow. The behavior of a decision node can be seen as a switch-case statement.A decision node consists of a list of predicates-transition pairs plus a default transition. Predicates are evaluated in order or appearance until one of them evaluates to true and the corresponding transition is taken. If none of the predicates evaluates to true the default transition is taken.Predicates are JSP Expression Language (EL) expressions **)** that resolve into a boolean value, true or false

**● Oozie Workflow Nodes**

Workflow nodes are classified in control flow nodes and action nodes:

**1. Control flow nodes:** nodes that control the start and end of the workflow and workflow job execution path.

It is further classified into following:

**1.1 Start Control Node**

The start node is the entry point for a workflow job, it indicates the first workflow node the workflow job must transition to.

**1.2 End Control Node**

The end node is the end for a workflow job, it indicates that the workflow job has completed successfully.

**1.3 Kill Control Node**

The kill node allows a workflow job to kill itself.

**1.4 Decision Control Node**

A decision node enables a workflow to make a selection on the execution path to follow.

**1.5 Fork and Join Control Nodes**

A fork node splits one path of execution into multiple concurrent paths of execution.

A join node waits until every concurrent execution path of a previous fork node arrives to it.

**● Fork and Join**

A fork node splits one path of execution into multiple concurrent paths of execution.A join node waits until every concurrent execution path of a previous fork node arrives to it.The fork and join nodes must be used in pairs. The join node assumes concurrent execution paths are children of the same fork node.

**● Oozie Web Console**

1. Oozie web console is one which is used for monitoring the Status of the job, workflow applications status and workflow jobs status.

2. It is read only interface and we cannot create any workflow.

3. We can only read only.