**Dealing with Large Binary Objects**

* While developing web services we may need to create web services which needs to deal with large binary Objects such as images, documents and various types of media files

Ex: File Uploads in FaceBook, Youtube, Naukri, etc.

* When “Web Service Consumer” wants to upload any files then
  + Request SHOULD have method=”POST” and
  + Request SHOULD have encoded POST body
* Hence Consumer have to use,

enctype=”multipart/form-data” encoding to deal with a large binary object uploaded via

<input type=”file”>

* Unfortunately, JAX-RS API doesn’t have standardized Annotation to deal with large files.
* To overcome this problem Jersey provides “@FormDataParam” Annotation

**@FormDataParam Annotaion**

* This annotation binds the name body part(s) of “multipart/form-data” request entity body to
  + a resource method parameter or
  + a class member variable (@BeanParam) as appropriate.
* This annotation should be used in conjunction with the media type “multipart/form-data” should be used for submitting and consuming forms that contain files, non=ASCII data, and binary data.
* Jersey allows to inject @FormDataParam onto following parameter typed
  + Any type of parameter for which a message body reader is available.
  + “FormDataContentDisposition” this represents the form data content disposition header.
* “org.glassfish.jersey.media.multipart.FormDataContentDisposition” is a concrete class of Jersey which consist of Metadata information fo the “multipart/form-data” request like file name, size, creation data ,etc.,