ASSIGNMENT - 4 applications 1. JOBC in Database - dreven Connection pooling: 1) Difine the Data Source in 2 Resource name = " Jabe / myd b" auth = " container" type = "javax. Sql. Datasource" drivelas name = " com , sql., ul = " jd k . my19 1 : uname = "root" password = "password" Enecuting SQL Quices; Statement Strat = boun. (Leater talement (); Risultset rs = Stmt. encertedung (" selet " from uson"); Evample Lade: pupared statement pshort : conn. puparestatement From we when Id = ?"); CUSELECT ps hmt . Set Int (1,1); rs= psamt. encute quey (); white (YS. next (1) § System. out. println ("um ED: +rs. get Int ("id)); System. out. printle ("ouename: + rs. gestilliting(il chename")); Com . Close (); out put: Und ID:1 Weiname: johndoe.

2. JSP lefecycle phases and embedding Java code: The Top lifetyple Consists of the i) Translation phase, compilation phase, initialization phose, request processing phase, destroy phase Embeding Java Code: 1. Scriptlet (< % . . . % >): 2 % int Count = 0; %) 2. Declaration (< %1... %). 6% 1 int Count = 0; %) 3- Expension (20/0= ... %0>) 2 % " Hello, world [") Example Output: Jsp lifecycle phase: 2º/o: " Welsome to our website!", 0/0> output: welcome to own website. 1sp using Scriplet:

20%

9nt visitor Court = 10% out printle (4 visitor count: + visitor count); 0/0 } vistor count: 10. output:

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4. Phio application for entracting patterns and VILL generation: 1. Read the gite Content: \$ file Content = file - get - Content ('mput , +xt'); 2. Un regular explinions to Entract data: preg-march-all [4/[a-20-9-1] +0 [a-20-9].]+ [a-z] S2,63 1", filelowent, Senails); preg-match- all ("/1 d& 37 - 1 d& 33 - 128 43, filewatert, \$ phone numbers); 4. DID VJ XML Schema: DTD (Document type definition): -> Simple and easier to define. - does not Support data types. \$ XML = new Simple XNI (' < data > < | data > '); Jouann (Semanto [0] of Jernail) &

Synch and additional ('email', Bernail); Foreach (\$phone numbers [0] as \$phone) \$

\$ xml -> add child ('phone', \$ phone); genul - assul ('output . xm 1'); Output: 1 data> Lemail johnde Denample. com </email) Lemail) gandoe @erample. net </ email> 2 phone > 123-456 - 7890 < 1 phone > C Phone > 987 -654 - 3210