	Name - Bhushan Nikumbhe
	ROII NO.22 Page No. 1
	Div-B Date
	UNIT-4
(0.1)	What is multidimensional arrays in PHP?
	Explain with Simple PHP code?
$\rightarrow$	A multidimensional array is an array
	containing one or more arrays
	Sometimes you want to store values
	with more than one key For this
	we have multidimensional arrays.
	e.g. php</th
	& Demp = amay
	array (1, "Sonoo", 40000),
	amay (2, "john", 50000),
	array (3, "rahul", 30000)
	);
	for (\$row=0; \$row <3; \$row++)?
	For (\$col=0; \$col<3; \$col++) {
	echo semp [srow][scol]."";
	}
	2 echo" />";
	?>
	Output!
	1 Sonoo 40000
	2 john 50000
	3 mahyl 30000

	Page No. 52_Date
(0.2)	classify data to a sure
	classify data types of PHP & describe
->	various data types in each type.  1. Scalar types
	Boolean
	· Integer
	• float
Marile	* String
+201	flow that the part the same of
517	2. compound types
	· Array
	· object
Litor	the continuent the country does not the
225	3 Special types
	· Resource day of slight
01	NULL Massage daignes of the
	f Sono ti stude nad to the some
	Integer: Integer is stoned as signed
	integer with 32 bits
	Float: - A floating point number is a
	number with decimal point
	Stands Cloutas
	String: - String is a data type
	representing textual data in computer
	programs.
	7 (9126) NO 0119H (92 0109 919 2 2 1
	Boolean: - It has two literal ralues
	True and False

		Page No. 4 Date
(0.4)	What is an associate memory	3 (1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-
	with the help of simple PHI	explain it
->	Associate arrays are arrays	thatasa
Townson to	named keys that you assign	
	Associative amay will have	their in lax
	as string so that you can	
and the same	String association bet key of	1 -alies
5.	Both the keys and values c	
	datatype in the same and	
140,0	eg <html> <body> &lt;2 php</body></html>	24 history of the
Les	\$ stories = array ("ABC =>20000," U	XIN' => 500 XYZ' = 2009
600	echo salony of LTINIS! \$ salo	
	` ` '<	
. Inma	# second method	
	\$ Salaries ['LMN'] = high	
	\$ Salaries ['ABC'] = medi	
	\$ salarier [ 'XYZ'] = 1100'	
Lea	The Taylor Douglas Street	00 1 30
	echo'salan of IMN is \$ salari	[WIN] 19
-54	?>	o today (so)
	<(bod)>	
H	menos (html)	St. +12
	a sil a sila	-50000 Mills
	Output '-	Below C
	Salary of LMIN is Soo	an Existence of the Control of the C
	Salam of LMN is high.	sales Ft
	and the state of t	-05 313
		The same of the sa
	1 modern 1 - low	x does G
- Colonial Control	and or was use to the page	20000

	Page No. 2 Date
	all necessary framework component
1 1 1 1 1 1 1 1	1 manual
yes d	ii) Struts xm1 - / web-inf/classes/
	main configuration contains resultificien
	types, action, mappings, interceptors & so forth
	HERE ENDING BOTH SIGHT
-654	ii) default properties - / web-inf/ classes/
	-> Fromework properties
	S The person head
	iv) Struts-plugin xml - At the root of
7.57	plugin Jaz
	- Optional configuration files for plugin in
	the some format as struct xml
	N) velocity properties - (web-inf/classes/
	- override the default velocity configuration
1 5	
0.3	Identify & explain different data tags
	from strutz which are used to
	monipulate display on evel application page
->	1. Action tag :- This tag enables developers
	to call actions directly from a JSP
	page by specify in the action name 1
	an optional nonespace.
	advacib to reget acut an areat to
	2. The include tag :-
	These include will be used to
	include JSP file in another JSP Page

	Page No. 3 Date
	3. The bean tag :
	These bean tag instanstiates a class that
	conforms to the jarabeans specification
( to the contract of	Mine the forest as the a part of the total
Albah I	4. The date tag.
	These date tag will allow you to
	format a date in a quiek de easy was
	5. The param tag
-	These param tag can be used to
	parantherise other tag. This tag has
Mais	following two parameters
	1. nome (string)
	2. value Cobject)
	6 The object to a contract of
- ANY	6. The property tag'- These property tag is used to get
toot	the property of value, which will on
	default to the top of the stack if
2007	none is specified.
may 0 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	estable consists contracted 1
	o man alternation was of
(4)	List & explain different directives
->	There are two types of directives
	a) Built in directive - These directives
	in a frame work we can directly
330	use it to offen functionality to
	our application.
100 Sec. 15 19	

b) custom directives: Custom directives  one Self created directives. They are not predecined but we can define it on our own  Built in directives are!  i) ng app directive  ii) ng madel directive  ii) ng model directive  ii) ng repeat  vii) ng contallan  viii) ng contallan  viii) ng reddonly etc.		Page No. 4
one Self Created directives. They are hot predecined but we can define it an own own.  Built in directives are: ii) ng-app directive iii) ng-init directive iii) ng-bind v) ng-bind v) ng-repeat. vii) ng-centrollan viii) ng-disable ix) ng-reddomly etc.		
one Self Created directives. They are hot predecined but we can define it an own own.  Built in directives are: ii) ng-app directive iii) ng-init directive iii) ng-bind v) ng-bind v) ng-repeat. vii) ng-centrollan viii) ng-disable ix) ng-reddomly etc.		D) custom directives: custom directives
not predexined but we can define it an our own  Built in directives are: i) ng-app directive ii) ng-init directive iii) ng-model directive iv) ng-bind v) ng-repeat. vii) ng-controllant viii) ng-disable te.		
Built in directives are:  i) ng-app directive  ii) ng-init directive  iii) ng-matel directive  iv) ng-bind  v) ng-if  vi) ng-repeat  vii) ng-contallant  viii) ng-disable late  ix) ng-readanty etc.		
Built in directives are:  i) ng - app directive  ii) ng - model directive  iii) ng - bind  v) ng - if  vi) ng - repeat.  vii) ng - contallant  viii) ng - disable directive  ix) ng - readonly etc.		
ii) ng- init directive  iii) ng- model directive  iii) ng- bind  v) ng- if  vi) ng- repeat  vii) ng- disable  ix) ng- reddonly etc.		20100d no 2252 Ci
ii) ng- init directive  iii) ng- model directive  iii) ng- bind  v) ng- if  vi) ng- repeat  vii) ng- disable  ix) ng- reddonly etc.		Built in directives one!
ii) ng-init directive  iii) ng-motel directive  iv) ng-bind  v) ng-repeat  vi) ng-controllar  vii) ng-disable directive  ix) ng-readonly etc.		
v) ng - if  vi) ng - repeat  vii) ng - controllan  viii) ng - disable dottoh  ix) ng - readonly etc.		
v) ng - if  vi) ng - repeat  vii) ng - controllan  viii) ng - disable dottoh  ix) ng - readonly etc.	I den	iii) ng-model directive
vii) ng - controllant  viii) ng - disable distribution  ix) ngn readonly etc.	-90	ind na - bind
vii) ng - controllant  viii) ng - disable dottob  ix) ngh readonly etc.	logi	vong - if a supol sognind refolis
viii) ng- disable distable etc.  ix) ng- reddonly etc.		vi) ng- repeat
viii) ng- disable distable etc.  ix) ng- reddonly etc.		vii) ng - controllan
Sement many part and of the sement of the se		viii) ng - disable dotat
The state of the s	5000	ix) ng- readonly etc.
		The state of the s
The state of the s		
The state of the s		- 5 3 A D S ( ) A D (
		The same bluesta in a facebag will
the state of the s	Jal my	the state of the s
	200	I the its and the part as a good that
to a state of the		Secret 2724 many at his file control of the control
boundad and a series		to a send of the design to the send of
Standard and Aller		B Di to the transfer of the state of the sta
District of the state of the st		601-09
		Dias is a farmasia para para para para para para para pa
	1	

(0.3) Write a short note on Bootstrap? > Bootstrap is a free open source 4 an amozing front end web development fromework containing the perfect blend of css & HTML based design templates to be used for forms typography. navigations & buttons & other interface component, Bootstrap is mainly based on design templates conitten in HTML4 css using different forms extensions based on Javascript & other language Bootstap is HTML, CSS 4 Javascript based friest framework for developing responsive, mobile first websites. It helps to build attachie websites Bootstap is a powerful, front-end fromewak for faster 4 easier web development. Bootstap Provide clean & uniform. solution for building on interface for developas Q 4) white a short note on spring. 3 spring framework is one of the most popular Java based framework fit was developed by Rod Johnson back in 2002. Spring framewak is on open Source fromework that we use to sevelope Java application with van ease & with a rapid pace

Page No. 4 Date
It is lightweight fromework which
provides well defined intrastructure
Support for developing Java application
In other words you can say that
spring is handler the infrastructure so
that you can focus more on developing
your application.
Spring framework features!
1 lightweight
2 Aspect oriented programming (AOP)
3. Transcation management
4. container
5. Dependency injection
6. Integration with other frameworks