	Page No.
* Ar	ray
1) Am	ay is a continuous block of memory which is
	to store homogenioaus type of data.
2) Ari	in size And It is a non-station
Memb	
3) If	we want to access elements of the Arra
we	have to go for index where index starts
	o to n-1.
	we cross the Kange of Index It will get
Kun	time error known as "Array Index Out Bond Excep
(6) In	array we can also store default values.
	}
* 5	ways to create array in Javos.
0 Us	ng array literal (When we have the values).
	tatype [] variable = { values,}
2 Usi	ng new keyword (when input from user).
	tatype [] Variable = new dutatype [size];
e.9.	of the state of th
7	21/4 494 10 03411 13
class	Driverated to recipional storid in fact
	2 Martin Franciscon Armans.
to.	ublic static void main (String[] args)
4	to and friends discontinuous assess
	int[] arr = (10,20,30,40,50,60);
* .	
	for (int i=o; i < arr.length; i++)
	-
	54,0, P. (a(i));
	J-
	Lead of the control o

	Dato
	import java outil scanner;
	class Driver
	4
-	public static void main (String [] args)
	Scanner sc = new Scanner (system.in);
	int size = sc. nextInt()',
¥, 11. ¥	int Ci arr = new int ( oize);
	for (int izo; ixar. length; i++)
	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
	aci) = scinert Int ();
	J
	come is a constant to the constant of
	for (int i=0; i < a. length; i++)
1 ** 57	
	5,0.p. (acij);
	j-
9 4, 13	
* 1	J
	# 20 Arrays.
	# TYPES OF ARRAYS
	1. One / Air Circles Di
	1. One/Di Single Dimensional Arrays.
	2. I (ait Dimensionel Arrays.
	1. one / single dimensional arrays
	A single dimensional array is a group of element
	morry me same data type which are classed in
	d linear arrangement under a single variable
	name.
	Syntax: int CJ arr = ()- or
	int [] arr = new int[3];
- 1	

	Page No Date	0.
	2. Multi Dimensional Arrays.	(18. %)
,	In multi-dimensional array, data is	
	now and column based index calso to	
7.	matrix form).	
	A multidimensional array is an array	
	# 20 Arrays. (Two-Oimensional Arrays.)	days
	array. Is the simplest form of k	multidimension
	A 2D array can be seen as an array of	10 array for
+0	reasier = understanding.	
brask's	SE to sole rotus V US to sein man	
. 573	Byntax: data type [][] variable name =	new datatype [X] CY]
	int cJCJ am = new Enfclos. [20]	size.
	1	outer size.
	OR The Mindson William Window Y disa	
pr l		}
	int CICI am = { { 1,2}, -(3,4)}	
	C.9.	
	elass Pt	
ā		
	public static void main (String C] args)	<u> </u>
	inf(][] ar = ((1,2), (3,4), (5,6)]-	
	1	
	for (inti=0; ixam.length; itt)	
	1	
	for (int jz o; j < arr [i]. length; j.	(1.1
,	€	
	S.O.P. Camcij (ij	
	J-	
	\\ , J-	

	Date	
	# ADVANTAGES	
	· code optimization: It makes the code optimized,	
	we can retrieve on sort the data efficiently	-
	· Random access: We con get any data located at	
	an index position	
	# Disadvantages	
	o size limit: accordant store contypithe fixed size	
	of elements in the away. It doesn't grow its	
	size at runtime. To solve this problem,	
	collection francwork is used in java.	
	The section of the se	
	* Anonymous Amays.	
-	Java supports the feature of an anonymous	2
	array, so you don't need to declared the array	
	while passing an array to the method.	
	Syntax: method Name (manew visit Class by 2, 3)7);	
	The second of th	
	* Array Index Out Of Bounds Exception:	
	The Java Virtual Machine (JUM) throws an Array In	ndez
	OutofBounds Exception if length of the array in nego	
	equal to the array size or greater than the arr	
, . ·	size while traversing the array.	
	La constante de de profesionale actions of the actions	
	* What is the class name of Java array?	
	In java, an array is an object. For any array	-
	object, a proxy class is created whose name con	<u>m_</u>
	be obtained by get Class (). get Name () method on	
	the object.	-
	Element Type Encoding	
	boolean	
	byte B char	
	Linar	

	Page No. Date
	class or interface Lichassmaine;
1	double
	float
	int int
	long J
	short 5
	2 secretarity A
,	* copying a java array.
	we can copy an away to another by the
	amay Copy C) method of Bystem class.
	Syntax: array copy ( Object src, int srcPos, object dest,
	int dest Pos print length it
, i .	System.arraycopy (arr., 2, arrz., 0, arr.length);
1	printing
	5.0.p. (String. value of (am2));
	* cloning an away.
	· Since, Java away implements the cloneable
	interface, we can execute the cloner of the java
	amay
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	o If we create the clone of a single-dimensional
	array, it creates the deep copy of the lave
	array. It means, it will copy the actual value.
	It we create the clone of a multidimensional
	away, it creates the shallow copy of the
	Java- array which means it copies the
	references.
	Syntax: Int[] Og Am = { 3, 4, 5, 6}
	inf C] clone Arr = OgArr. clone();
	J. 1. 1. C. 1013E (J.)