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11	//3///// College of Engineering		
#	1 1 18		
1	Experiment No-5 (5)		
\parallel	0 0 0		
\parallel	Aim - Implement a program for array and		
4	types of assay.		
+			
	Resource required - Pentium IV, JDK 1.8, Notepad		
1	Theory: An array is a collection of similar		
	data type of elements which has		
	configure memory location.		
	Java array is an object which contains elements of a similar data type Adilionally the		
	of a similar dator type Adihonally the		
4	elements of an array are stored in a		
+	elements of an array are stored in a contigous memory location It is a data structure where we store similar elements		
+	structure where we store make a defined sol		
+	we can story store only a defined set of element in a Java array.		
+	or element 11 3 to 1		
1	Array is java is induscre base. The first		
	the army is stored at the		
T	Oth index. 2nd element is stored on 1st		
1	index and so on.		
1	TOE A		
	Type of Array in Java		
\parallel	Single Dimensional Array		
\parallel	origic state of the state of th		
1	Multi Dimensional Agray.		

PAGE NO SARASWATI Education Society's RASWATI College of Engineering In Java array is an object of an dynamically generated class Java array inherits the object class and implement the as were in cloned at pointive value Object in an array in Java like C++/C We can also create single dimensional array and multidimensional array in Java. It provides the features of Java anonymous array which is available in C/C++. first Index. Array length is 11. One Dimensional array. The general form of a one-dimensional array. declaration is type var-name; type Java name An array declaration has two component the tre type and -re type declares the element type of the array. The element type determines the Array of int type. We can also create a array of other priorities data type like char User detired from

PAGE NO.: SARASWATI Education Society's RASWATI College of Engineering DATE: float, double, etc- as used defined datatype data array will hold. Multidimensional Arrowy. Moltidimensional array are arrays of arrays with each element of the array holding the refrence of other array these are also known as logsed arrays. A multidimensional array is created by appending once set of square brachets Per dimension. Examples -> int int Array [][] = new int [10][20]; //2D array an-matelx int int Array [][]] = new int [10][20][70] lla 3D array. Advantages > (ode optimization: It makes the code optimized we can retrive or gort the data efficiently. Rondom acress: We can get any data located ad an index position.

called

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	ntages.
Size	limit: We can store only the fined
	size of owntime in array to It
dosent	grow its size of runtime. To solv
this	problem collection from work is used
in Jan	a which grows automorically.
	Janes
Conclusi	on Thus we have successfully implement
	array and types of Array.
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13 4 12 24	
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