





Present in it. 23/11/22 g Size of array Can be byte, shot, clear int [] q = new int (G); Size of away Cannot be float idouble , String. > int[] q = new int[us.s]; alroj=10 La Rimitave a > 0 1 × 3 1) Exceptions associated with Array; THE EDG OF BEDEL 1) Array Endex Out of Bound -Class Demo all) fimitives ge int [] a = new int(2]; a → int a;
int b; Value Tryde a[2]=10 -> run time Emor away - slave about 836 Ly it thous Exception I can cape up for state reasonable as 6) Array Ender out of Bound. In array we can store objects and primitive 1) Negative Amay Size Exception: (3) In Collections we can only store objects. int [7 a= new int[-2]; (int[] a = new int[s]; L) Size Cannot be - Java Compiler Woll not hasive ! Size can be int, byte, short bype but ony Enor When we wish Lit throws Cornot be long -) it oul cheeks Syntax Negative Array Size.

Of program. int[] a = newint ['a,] / allowed. -> TVM throws Exception during int[] a = new int['A'] my time. 465 (813e

3) Away store Exceptions. not Class is not there we Cannot Create object. - Arrays in Java is Homogenous Whatever Clanes associated with array, in Java is there for Java internal purpose int[] a = new int[2]; and not available for programmers. a[0]=10; & Every type of array will have Sperific Class. a[1] = " Ashis h"; ____ Storg. those Classes for Java Language but not Array Store Exception for programmers. We be present internally. (4) Out of Memory Error Execution: Class ent [] a = new int[]; > Int[] a = id new int[999929]; Char[] a = now Char[a]; 1 The Care of Scanner Class they are Inbuilt -> This Error is thown when there is insufficient Space to allocated an and they also available for programmers. Object in the JAVA heap. Scanner S= new Scanner (System 114); int () a = new point[9995973]; Sinext Int(); Turing one thooks are in to it throws Lout of Memory Error Exception. frequency less soil fill, being soul Ly 2 Runtine. is in time to may surfied in an age to a must mee

Get class name of Array;	Il they Methods docide and load
	Static Methods inside array's class are
=> int[] a = new int[4];	Static 1 10 mos
S.o.p(a.getClass().getName());	, the Methods are Called directly by class name.
the legal of addition has here	Egri Class Deno = Groty Object
=> 0/p = a FT , class name of	Egríf Class Dono = Croty Object 2 Demo d = New Dem ();
=> 0/p - 0 [I -> class name of 1) I) Integer away	Void display()
the class of the state of the s	Void display() 4 Calling Method
[[I] -> for 20 Integer array.	E . Hall
1 1 for 10 char away	web and Ethern between the standard week
CC -> forclais for 1D char away.	then a honal.
	If you we Static Object Creakon is optional.
-> Every Array type also belongs to Spelific Class	
but that clay is not for good programmers.	Class Demo Demo displayl);
but they cay	1 licalant
(they have provided whility class by name Arrays.	Chafic Voidous 1 00
Arrays	Ly to involve me creat object need to Creat object
Ly there class used along array	E) to invoke Method we can call directly
Ly Chen Class and I have	
(5) Arrays Class: created became We do not have class to perform operation Early.	you can call method by Creaking object (or) you can call method by creaking object (or) without Creaking it. it is optional. without Creaking it. it is optional.
Class to partition of	-) no porcat netterd by Creating object (or)
by there Clair und doing away. Ly to "operations on collections Eatily.	-) you can call Ment of is optional.
12 to operations on collections Eatily.	othout Creating it.
Ly operations like Sort, fill, binary Jearch	directly call Method by Class
La operations have an arrays class	→ you can diretly call Method by class name > dwe can diretly call Method by class name En [Demoi-display ();
b) operations have so many Methods in arrays class to perations. Like soit, fill binary seeds	En Demoi-ous Page),
fill binary sent	

OConclusion > O Every type of away has specific class. there cannot used by programmer but it is for internal purpose. D' Arrays Clau is used to perform operations on arrays Ly we Can use Inbust Methods Ly all Methods are static. 1) Methods are invoked directly by class name? I will before tota un sop to Exp to Sort an array. Int a[] = 110,60,50,30%; Array Sort [a]; - it goes through array and it sorts it. Eg @ Adding values jut 0[] = new int (4); default Jane Values. Est Donor Graph);

for (int i=o, i < a. (ongth; i++) a(i)=5) alter ausing white class Array. fill(a 15); -, it fill value 5 in all Indexs. $a \rightarrow \begin{bmatrix} 5 & 5 & 5 & 5 \\ 0 & 1 & 2 & 3 \end{bmatrix}$ 100 pa 00 Own'te program to add Elements in an array? int[] a= 10,20,303; for (int P=0; i(a. length; i++) Sum=Sum+aliJ; (on Sum+=aliJ; 5.0.P(Sum); ful max and min Element in an