13-05-2023 Day-12: Assignment Array: Array is an object which contains elements of a Bimiliar data type. CHomogeneous dota). Variable. The elements of an array are stored in configuous memory location - up can store only a fixed set of elements in a join array. array There are two types of array:

(i) Bingle dimensional Array

(ii) Multi dimensional Array Single dimensional Array: \* Standard Array datatype variable name [] = new data-type [bize];

ex:	int a []= new int [5];
BM	ayo commonly rescd:
	int a[];
	int[] b;
	int []C;
Dyn	inic Array.
•	mic Array: datatype vouiable name [] new datatype toigi
	datatype variable_name [] = {bize }; ex: int a[] = {10,20,30};
Exar	nple program - Standard Array:
120	chape pra array:
pu	blic class Assources
•	chage org. array; blic class Arrayses & public static void main (String (Jargs)
	sound on a new as more will be suit of the
	int $\alpha[] = \text{new int}[5];$
	[o] = 35;
	0[1] = 98;
,	a[2] = 54;
	Q[3] = 66;
	a[4] = 99;
	for (int i=0; i La. length. i++)  [ System. out. println (a[i]);
	System. out. println (a[i]);
	333
Multic	limensional Array:
100	de and many:
	deage org. array;
	public class Arraytre { Public Static void main (String [ ] args
	{ inta[][] = new int[3][3];
	a[0][0] = 100;
	a[0][1] = 200;
	a [0] [2] = 300;
	a[1][6] = 400;

[1][1] = 500; [a] tal (1)
02[1][2] = 600; Received the contraction of the con
and 153, a[2][0]=700;
0 [2 [ 1] = 900;
~ [2][2] = 900;
Parcint i-n. ica. Kenaths i+1)
for Cirt g=0; jLa.length; j++)
· System.out.println Casil[1];
Typically some programme and the
Jama allany og utalaha
31
Disadvantages of Array:
*The java array needs to be declared with
a given array.
* Mee Card and Area 2000
be increased or decreased.
be increased of decreased.
+ Ab per the definition of arrays, they
The Alice of a longer high than is required
can only store idata of a single type.  * If Arrays of a larger size than is required  are declared, the memory may be wasted
Object Array: Marka Vica + 101300
Object Array:  package Orgianay:
public Static void main (String [Jargs)
public Static word mour
(3tring (Jarap)
l'object a[] = new object[3];
a[0] = 23;
a[1] = "java"; a[2] = 'j';
Q[3] = 7.8f;
~a[4] = 15 33

_
String methods (pending):
* to CharArray C);
package org. array:
public class Array (x)
package org. array; public class irray (x { public static void main Cstring [Jargs).
String &= "March Batch 3"; char [] a = & tocharArray(); for Cint i=0; i(a length; i++) { System out println (a[i]);
char [] a = & tochartray();
for Cint i=0; i(a.length; i++)
System.out. println (a[i]);
, y y y
Split:
package Org. array:
package Org. array; public Static void main (Strung [] args)
1 String & = "March Batch Three Bludents"
Strung [] a = &-&phit (""); for (int i=0's /2a.length; i+) { System.out. println (a[i]);
for Cint i=03 (La. length; à+1)
¿ System. out. println (a[i]);
3
<u>J</u> ´

Array is an indicat.

with a c J =

the state of the s

two dimensional array:

400 200 300

400 500 600

vort -> solumn

400 800 900

homogoneous to heterogeneous.

Object -> Ouper class of Javas.