20/106/83 The fishers Working with arrays: 100 191000 1910 1910 working with anays, and strings in java involves operations like creating, manipulating and accessing elements. Sitavislus is in Declave an array Il initialize the array with walter new inteller, 2,3,4,53 variable constant, to that it 2. Accessing array elements int Firsthlambers de mumbers Co July Access first element of array. int length = numbers. lengths! 11Getting the length of array 3. Hodify the array element numbers (0]: 10; 11 Hodify value at index o' 4. Iterating over arrays int ! for (i=0; ic numbers length; i++) 11 Pirt value = numbers (1);

11 Enhance for loop (-For reach loop)" ford (Mintervalue : Inumbers) { style of many of (11 commands Predefined methods for arrays: 1. Array totostring (array); converts of an array to anstring, representation. int [] numbers = {1,2,3,4,5} string ramay string = Array 8 (to estring (numbers); 30 P(array_string); 100[p! (1,2,3,4,5) [3(permberipaide) 29-1 King King Mary Mill de ail Amays wort (array); sorts an array Hin ascending order. 3. Arrays. copyof (array, length): copies and array to new array of specified length 4. Arrays. fill (array, value): fills the marray with portre especified value out of morpor notional fitting and see sixtnew spitting a discould Array. fill (numbers, 10) 2000 sildur 3(2016[3] S.O.P. Arrays tostring (Jumbers)). 11 0/2: [10.10,10,10,10] & privaled 11

Types of Array por 10 Javain) good 1100 es mading 1) Program to implement Single Dimensional Array. Python Java C++ C PhP defined the Body - low anyour of public relassion Demos (porce) printed to public static void main (string clargs) [: () string rejstr Array () () Python " prisava " , " (11" Charact Rounds -for (stringi:strArray) [... E. F. M. 1915 S. B. C (+1" "); 3 S.O.P(" length of Array (19 4 St. Array length), perio gas soldes : (appar length): copies as to new arrang to specified letyth 2) Hulti-dimen sional it Array: Program to show multir-dimensional array with a fathous matrix chain, multiplication public class Demografilis puril public static void than (Istring [Jargs) [11 Declaring & initializing arrays

int an ()() = { £1,0,33, \$4,5,64, £3,8/933. int and 62 (2) = 188 1212318010,23,180,01333; 11. Printing aways in matrix Aformat 2/20/10 so snotp (of Array 1 1 16) good give on borols for lint 1=0; ich: 14 the 11-for-100p for row for (int)=0; j23; j++) & 11-for-loop for My El trabable usa . To idotrativate trajecolumns SOP (and Cide) + in it gradus firstid swing fore) Alle bringh Bristo. P. C" " " To Bute" 14:08 25: (mpoloning (11) Cieating train away with some dimensions int conecations les transportes established 11 multiplyings and and lained trabula (onlorder 1) for (int 1)=000 1123; 14+02= (0) ido Cos Bittiges; jest jat Vigo for Cint K=0 12 KC3 (K+4) E new AVI (1) (1) = 0; new Arr Eiz Giz = new Arr Giz Giz + ci)(x) & arrack)(j): 2 5.0.P (newArr (i) 11)+" "); g 5.0.P();

Among of Objects (Fig. 13) 3 17 Cill Dollar econsthe name casuggest and dirag of objects is nothing but a list of objects stored in the array. Notice I that this does not store objects in an array but stores the reference variable of that objects. ex: student studentobj [] = new student[s] class students+[1][1][1][1]0) student lint id, string name) ; soipl "student ID" I ditalland name is"+ 1 name 11); 36 public static word main (estringue) args) [11 declaring 1 [and 1-arrayon of objects 100 student sobjective new student (3); 11 obj (0) z ncw; Student (1, "Bharath"); obj [i] the new Student (y, " Vikas"); abjecation student (7, "shiva"); file Bismanne - Listing Ling COCATE TO * CATCO THE il "+ Listin in way good (C) 4/2/0° (

Passing Arrays to Methods: As we pass variables as a parameter and can also pass the array to method, we donot require adding square brackets with an array name, but me, do require that in formal parameters. 3 dipt mans); 1 Passing an array while calling methods is not required to mention the size of array. If you do so . then it will throw you compile EFloolig time error. publicipa dass notest & Justin privatedus tappost (1 tespor 110 define refluctione to find & max number for 11 an voluments printing charges no 11 public static intimax (int [] air) { _1:50 int mars arrEO]: "ddsdosdo" igit for (int i=1; ican length; it+) { explanation (Cily ranguary spirate", colly the may= arreiz; so while return max; on the replacement

public static void main (string Clargs)? 10100 my Array (]= [45, 46, 1, 5, 90, 209; 11 call function name by passing away to it La mod int tomar 1 = ofmart my Amay) of some pour 3.0.P(max1); en elsophistics printing motifical parisons Tr. polio do sére les moithaged not boringer la sligness not completelline of next, or object