



```
package com j'spiders. arrays;
                                                package con jeplace, average
import java. util . Arraye;
public class Demo3
                                                        A shoreton & see A
    psvm (String[] ams)
      Sop (" Program starte...");
    String[] str Array = new String[5]: // array of String type]
    str Array[0] = "demo";
    str Array[1] = "zen";
    sto Array[2] = "abc";
    str Array [3] = "Sample";
    Str Array [4] = "132";
                                                 mon = former [ ]
    Sep ("array climenti");
                                              () A rose & [o] Turreno
    for (String si: str Array)
    { Sop (81);
                                    coray [8] = new B( ); /B mid
    Arrays. Sort (str Array);
                                   mes C()) // c conta
     Sop ( "sorted elements");
                                          op ( Arroy clements );
    for (String S1: Str Array)
                                                 (twores sto A)
    & Sop (si);
  Jop ("Program ende...");
                                              - abre marpar ") god
   Program stouts ...
                                   continued ..
                                       sorted elementi
    array elements
                                      139
    demo
                                      abc
                                      demo
    abc
```

Sample

Program ends ...

zen

Sample

132

65)

```
package com. jspiders. arraye;
                                              pachage com, upiders orsays
class A
                                            public class Domos of
class B extends A
                                             psym (String[] args)
                                        dop ("Program stenders")
class c extends B
                               Lewes Cilalpark wer = parrarie [ ] privile
                                                "amsh = [c] worrA +18
                                               strAnnafil a zent:
public clas Demot
                                                  ado = [ MywarA #2
& psvm (String[] asgs)
                                             " want " = (6) porting
    Sop ( Program starts ... ");
    A[] array = new A[5]; // corray of A type mile pure no") gol
     array [0] = new A();
                                           for (String si: str Arrow)
     array [ 1] = new ( ( ); // c corted to A type
                                                     (18) 908
     array [2] = new B(); //B costed to Atype
     corroy [[3] = new A();
                                             (yum Arts) tros , surenA
     corray 1 [4] = new C(); // C corted to A type
      Sop ("Array clements");
                                           ( String SI: Str Arrows)
      too (A at: array)
                                                     ((12) 908
       Sop( a1);
                                           dop ( Legam onde ... )
     Sop ("Program ende...");
                                                   troots morpor
                    Answell bestroe
                                                      troment promonts
                    TOGOTOD Ender ...
```

- 1*) Array is a Collection or homosening.
 In an array we can store similar
- 2.x) Dereved array are declared using derived Class.
- 3 *) Arrowy can be intialized using * Dimension

 * Arrowy intializar
- 4 * Ex Dimension: int[] array = new int[5]

Specified. Whenever an arony is intialized using dimension the default value will be stored in each element.

5 x Ex: Array Initialization: | 10,20,30,40,50%;

Using avoicy initializer the elements one sepecified with comma separation.

- 6 4) We can refer each element of an array using index.
- 7 x) Java provides class named Array which containe several methods like sort and search...
- 8 x) If we declare the wowy of Object type, we can store array type of data.

opasse of a comp one of stobigs,

9 x In this type of arrowy each demond is of Object type.

```
P113 mhaut
                                         Wapper Clare
  impost gava util scanner
                                        Dava provides Wrapper
                                        class to convert promotive
  class A
                                         type to an Object type.
                                    12x For every primitive type,
  Class B
                                         wrapper class type is existing
                                         All Woopper classes are available
  PARTICION EDERANDO
                                         in java. lang package,
                                    14x The numeric
                                         inheriti an abstract class by
                                         Name Number.
    public class Demol
                                    15x All Wrapper Classes core
     perm (string[] args)
                                        final Class.
      2 object [ ] objArray = new Object [5];
                                     16x) In each Wrapper Class
        Obj Array[0] = "test";
                                          the tostoring () method, equals ()
      Obj Array [1] = new class A;
                                         and hashade () methods are
                                          overvided.
       Obj Array[2] = new class B;
    Obj Array [3] = new String Builder ("demo");
       Obj Array [+] = new Scanner (system. in);
       Sop ("obj array doments");
        for (object obj : obj Assay)
       2 Sep (Obj); 1 to 10
    3 & Sop ("Program ende...");
Ope- program starte ...
     Object array element
     Com, ispidere, array demo. Al 30ca90
     Com. is
      demo
gava. util. Scanner [definitions
```

