**package com.array;**

**public class ArrayDemo {**

**// array -**

**// 125 jktechhub 233 0 nanj**

**public static void main(String[] args) {**

**char ch1 = 'j';**

**char ch2 = 'k';**

**char ch3 = 't';**

**char ch4 = 'e';**

**char ch5 = 'c';**

**char ch6 = 'h';**

**char ch7 = 'h';**

**char ch8 = 'u';**

**char ch9 = 'b';**

**// array -- collection of similar type of data**

**System.out.println(ch1 + "" + ch2 + " " + ch3 + " " + ch4 + " " + ch5 + " " + ch6 + " " + ch7);**

**System.out.println();**

**char[] charArray = new char[100];**

**charArray[0] = 'j';**

**charArray[1] = 'g';**

**charArray[2] = 't';**

**charArray[3] = 'e';**

**charArray[4] = 'c';**

**charArray[5] = 'h';**

**charArray[6] = 'h';**

**charArray[7] = 'u';**

**charArray[8] = 'b';**

**System.out.println(charArray);//**

**char[] charArray1 = { 'j', 'k', 't', 'e', 'c', 'h', 'h', 'u', 'b', 'k' };**

**System.out.println(charArray1);//**

**String name = "jktechhub";**

**System.out.println(name);**

**// 0 1 2 3 4 5**

**int[] marks = new int[15];// [15,55,45,45,85,65]**

**System.out.println("lenghth " + marks.length);**

**for (int i = 0; i <= marks.length; i++) {**

**marks[i] = (i + 2);// 2**

**}**

**for (int i = 0; i <= marks.length; i++) {**

**System.out.println(marks[i]);**

**}**

**}**

**}**

**//and traverse the Java array.**

**class Testarray{**

**public static void main(String args[]){**

**int a[]=new int[5];//declaration and instantiation**

**a[0]=10;//initialization**

**a[1]=20;**

**a[2]=70;**

**a[3]=40;**

**a[4]=50;**

**//traversing array**

**for(int i=0;i<a.length;i++)//length is the property of array**

**System.out.println(a[i]);**

**}}**

**class GFG**

**{**

**public static void main (String[] args)**

**{**

**// declares an Array of integers.**

**int[] arr;**

**// allocating memory for 5 integers.**

**arr = new int[5];**

**// initialize the first elements of the array**

**arr[0] = 10;**

**// initialize the second elements of the array**

**arr[1] = 20;**

**//so on...**

**arr[2] = 30;**

**arr[3] = 40;**

**arr[4] = 50;**

**// accessing the elements of the specified array**

**for (int i = 0; i < arr.length; i++)**

**System.out.println("Element at index " + i +**

**" : "+ arr[i]);**

**}**

**}**