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Day-6
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Arrays
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int a=100;
a=200;

Array is collection elements of same data type(Homogenios data).
We can store multiple values into a single variable.

int a[]=new int[100];

(or)

int []a=new int[100];

2 types of arrays
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1) Single dimensional
2) two dimensional/multidimensional

Single dimensional
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1) Declare an array
2) insert values into array
3) Find size of an array
4) read single value from an array
5) read multiple values from an array


for..each loop( enhanced for loop)

a[]
[]a


2 dimensional array
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object array

int a=10;

double a=10.5

String s="welcome"

Object a="welcome"


int a[]=new int[5];
String a[]=new String[5];

Object a[]=new Object[5];

Assingments
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Assignments
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1) Find Sum of Elements in Array
a={1,2,3,4,5}
Sum=15
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Ref Video: https://www.youtube.com/watch?v=BDvYp3GbfU4

2) Print Even and Odd numbers from array.
a={1,2,3,4,5,6}
Even= 3
Odd=3

Ref Link: https://www.youtube.com/watch?v=e3x0bnOrcAA

3) Search an element in array
a={10,20,30,40,50}
num=30

4) Sorting elements
a={50,20,40,10,100}

after sorting 10 20 40 50 100

Ref Links:
https://www.youtube.com/watch?v=cJ2eMUiCFy4
https://www.youtube.com/watch?v=3PLtvTUOCpM