

### EXERCISES ON ARRAYS

1. Write a program to input 5 array value and display it on screen.
2. Write a program to input 5 array value and display total of that values.
3. Write a program to input 5 array value and find out maximum value.
4. Write a program to input 5 array value and find out minimum value.
5. Write a program to input 5 array value and count positive and negative value.
6. Write a program to input 5 array value and print it into ascending order
7. Write a program to input 5 array value and print it into descending order
8. Write a program to create 3\*3 matrix and print it on screen
9. Write a program to create two 2\*2 matrix and perform addition, subtraction, multiplication and division operation.
10. Write a program to create two 3\*3 matrix and perform addition, subtraction, multiplication and division operation.
11. Write a program to create marksheet of students. [create atleast 3 list of students.]
12. Write a program to create payroll sheet of employees. [create atleast 3 list of employees].
13. Write a Java program to input value dynamically for an array element & display the list in ascending order and descending order.
14. An automorphic number is the number which is contained in the last digits of its square for example, 25 is automorphic as its square is 625. WAP to print all the automorphic numbers between 5 to 100.  
(create a method isAutomorphic(int) to perform the same.)
15. Write a program to create 3\*3 matrix and store the first nine natural numbers in it row wise.  
For example  
1 2 3  
4 5 6  
7 8 9

Now design the methods to perform the following

1. sum of the numbers in each row
2. sum of the numbers in each column
3. sum of the numbers in left diagonal
4. sum of the numbers in right diagonal

16. Write a program to create an array stock containing script name, opening and closing prices per share as follows:

<b>Script Name</b>	<b>Opening</b>	<b>Closing</b>
Tisco	1120	1129
Tata	909	980
Reliance	1233	1240
ONGC	900	878

Design the methods to perform the following activities:

- (1) Print difference of prices for each share
  - (2) Print the name of the share that has got the maximum rise.
  - (3) Print the average opening and closing prices for all the shares.
17. Design a program by create dynamic array of 5 elements that contains the following list of electronic shop. Display the output in appropriate format.

NAME	CODE	QTY	RATE	TOTAL
CD-R	1001	05	12	60
CD-RW	1002	07	40	280
SPEAKER	1003	03	700	2100
.....	.....	.....	.....	.....
.....	.....	.....	.....	.....

18. Write a program to assign the values Dehradun, Kalimpong, Mount Abu, Mussoorie, Nainital, Shimla, 2100,1100,3800,6580,6360,7335, Uttar Pradesh, West Bengal, Rajasthan, Uttar Pradesh, Uttar Pradesh and Himachal Pradesh to the variables

H[1],H[2],H[3],H[4],H[5],H[6] -- A[1],A[2],A[3], A[4],A[5],A[6] --  
S[1],S[2],S[3],S[4],S[5],S[6].

Use the three list to get:

- (a) Print out as follows:

<b>HILL STATION</b>	<b>ALTITUDE</b>	<b>STATE</b>
Dehradun	2100	Uttar Pradesh
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- (b) Output of the average altitude of the hill stations included in the list from the state of user choice.

19. Write JAVA program for a store. Store keeper wants to store and see the information about items that he sales. The Program includes the following.

- Item code
- Item name
- Item price

Write a method that accepts the data from keyboard and display method that display the above information.

**Write Down Following assignments In Journal**

**1,4,5,7,9,14,16,17,19**

SSCCS