

EXERCISES ON CLASSES and Methods

- (1) Write a program to create 3*3 matrix and store the first nine natural numbers in it row wise.

For example

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1 2 3
4 5 6
7 8 9
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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
- (2) Write a program to create an array stock containing script name, opening and closing prices per share as follows:

Script Name	Opening	Closing
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
- (3) Write a program to pass the object as argument and return the object from methods.
- (4) Write a program to create class known as SI that has method interest to calculate interest of simple interest and return value of simple interest to main().
- (5) Write a program to create class known as CI that has method interest to calculate interest of compound interest and return value of compound interest to main()
- (6) Write a program to create a class known as date and display it in dd/mm/yyyy format.
- (7) Write a program to create a class known as time and display it in hh/mm/ss format.
- (8) Solve the above problem no 6 and 7 by declaring method as static as well as instance variable as static.
- (9) Write a program to create a class known as highest that has three instances variable and largest and display method which find out and shows the highest value among three instance variable.
- (10) Solve the above problem by declaring both methods as **static**
- (11) Write a program to input two numbers and perform various operations like addition, subtraction, multiplication, division, square, cube, factorials as per user choice.
- (12) Write a program to perform various operations like addition, subtraction, multiplication, division operation for two objects and store it into third object.
- (13) Write a program to create one class known as time that has three instance variable hour, minute and seconds two methods add() and display () . Add two objects and store it into third object and display the format into hh/mm/ss.
- (14) Write a program to create one class known as matrix that has three methods addition, subtraction and multiplication. Add two objects and store it into third object.

Journal:2,6,9,10,13,14

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