

# Practical Assignment

1. Write a program to print the area and perimeter of a triangle taking the value of sides from user by creating a class named 'Triangle' with a function to print the area and perimeter.
2. a) Print the average of three numbers entered by the user by creating a class named 'Average' having a function to calculate and print the average.  
  
b) Print the average of three numbers entered by the user by creating a class named 'Average' having a function to calculate and print the average without using objects
3. Write a program that would print the information (name, year of joining, salary, address) of three employees by creating a class named 'Employee'. The output should be as follows:

| Name   | Year of joining | Address          |
|--------|-----------------|------------------|
| Robert | 1994            | 64C- WallsStreat |
| Sam    | 2000            | 68D- WallsStreat |
| John   | 1999            | 26B- WallsStreat |
4. Create a class student with roll no, name marks (of 5 subject). write a program to print the total marks of only the roll no given by the user(note: use array of objects and array within a class)
5. Create a class bank with account no, account holder name. write a program to credit amount as well as debit amount from the account no . Amount should be debited only if the balance is >500.[use array of objects.
6. Create a class directory with data members phone number, name. write a program to search phone number when user gives name as input and find name when user gives phone number as input.
7. Create a class bill with unit, amount as members. Write a program to generate the bill with the following condition.

|                |                    |
|----------------|--------------------|
| 0 to 100 unit  | - Fix 150 Rs       |
| 101-200 unit   | - 1.50 Rs per unit |
| 201-300 unit   | - 2.00 Rs per unit |
| 301-400 unit   | - 2.50 Rs per unit |
| 401-500 unit   | - 3.00 Rs per unit |
| Above 500 unit | - 4.50 Rs per unit |