1. Write a program to enter marks of 6 different subjects and find out the total marks. (Using cin and cout statement).
2. Write a function using reference variables as arguments to swap the values of pair of integers.
3. Write a function to find largest of three numbers.
4. Write a program to find the factorial of a number.
5. Define a class to represent a bank account which includes the following members as Data members: a) Name of the depositor b)Account Number c)Withdrawal amount d)Balance amount in the account Member Functions: a) To assign initial values b)To deposit an amount c) To withdraw an amount after checking the balance d) To display name and balance.
6. Write the above program for handling n number of account holders using array of objects.
7. Write a C++ program to compute area of right angle triangle, equilateral triangle, isosceles triangle using function overloading concept.
8. Consider a publishing company that markets both book and audio cassette version to its works. Create a class Publication that stores the title (a string) and price (type float) of a publication. Derive the following two classes from the above Publication class: Book which adds a page count (int) and Tape which adds a playing time in minutes(float). Each class should have get\_data() function to get its data from the user at the keyboard. Write the main() function to test the Book and Tape classes by creating instances of them asking the user to fill in data with get\_data() and then displaying it using put\_data().
9. Consider an example of declaring the examination result. Design three classes student, exam and result. The student has data members such as rollno, name. Create the lass exam by inheriting the student class. The exam class adds data members representing the marks scored in 5 subjects. Derive the result from exam- I. K.Gujral Punjab Technical University B.Sc. (Graphics and Web Designing ) Page 36 of 74 class and it has own data members like total, avg.
10. Write a program for overloading of Unary ++ operator.
11. Write a program for overloading of Binary + operator.
12. Write a program of Virtual Functions.
13. Write a program of Abstract Classes.
14. Write a program to read and write from file.