

Jagannath International Management School

VasantKunj, New Delhi - 110070

(Affiliated to Guru Gobind Singh Indraprastha University, New Delhi)

Recognized u/s 2(f) by UGC & Accredited with 'A' Grade by NAAC

Participant of UNGC & UNPRME, New York

ISO 9001:2015 Quality Certified

Bachelor of Computer Applications (BCA)

Course : BCA

Subject Code: 20171

Semester : I

Subject : C. Prog Lab

S. No.	Question
1.	Write a program to convert temperature from Celsius to Fahrenheit by taking input from the user.
2.	Write a program to find the greatest number among 3 numbers given by the user.
3.	Write a program to check if a given number is a prime number or not.
4.	Write a program to display the following pattern upto N rows, taking the value of N from the user: 1 2 3 4 5 6 7 8 9 10
5.	Write a program to input marks of 50 students using an array and display the average marks of the class.
6.	Write a program to search for a number entered by the user in a given array and display the array in ascending order.
7.	Write a program to check if a string is palindrome or not.
8.	Write a program to add, subtract, multiply and divide two numbers using pointers.
9.	Write a program to create a structure for employees containing the following data members: Employee ID, Employee Name, Age, Address, Department and Salary. Input data for 10 employees and display the details of the employee from the employee ID given by the user.
10.	Write a program to create two files with names EvenFile and OddFile. Input 20 numbers from the user and save even numbers in EvenFile and odd numbers in OddFile.
11.	Write a menu driven program to construct a calculator for following arithmetic operations: addition, subtraction, multiplication, division, average and percentage.
12.	Write a menu driven program to perform the following operations: (i) Print armstrong numbers upto N, (ii) Display prime numbers between 1 to N, (iii) Reverse of an integer
13.	Write a program to convert a hexadecimal number into a binary number.
14.	Write a program to calculate factorial of a number and display fibonacci series upto N terms using recursive functions.
15.	Write a program to perform matrix addition, (ii) matrix multiplication, and (iii) Matrix transpose) on 2D arrays.
16.	Write a program to make use of arrays with structures in the following ways: (i) Use array as a structure data member (ii) Create array of structure variables

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17.	Write a program to compare the contents of two files by taking names of the files through command line arguments.
18.	WAP to perform I/O and make use of file positioning functions on Binary files. (using fseek, ftell, rewind functions)
19.	Write a menu driven program to implement the following string operations: (i) Calculate length of a string (ii) Concatenate at the end of a given (iii) Copy one string to another (iv) Compare contents of two strings (v) Copy nth character string to another
20.	Write a program to read time in string format and extract hours, minutes and second also check time validity