



Mahavir Education Trust's  
**SHAH & ANCHOR KUTCHHI ENGINEERING COLLEGE**  
 Chembur, Mumbai - 400 088  
**UG Program in Information technology**

<b>Lab Code</b>	FEL204	<b>Lab Name</b>	<b>C Programming</b>
<b>Academic Year</b>	2020-21	<b>Semester</b>	II
<b>Class</b>	FE15	<b>Course In-charge</b>	Shwetambari Borade

<b>Sr. No</b>	<b>Problem Statements</b>
01	WAP to accept the temperature in Celsius and to convert and display it in Fahrenheit.
02	WAP to accept three numbers and display largest of three using nested if-else statement.
03	WAP to find all the roots of quadratic equation using else-if ladder.
04	WAP to implement Arithmetic calculator for addition, subtraction, multiplication, division and modulo operation using switch case.
05	WAP to check whether the given number is Armstrong number or not using while loop.
06	Write a program to find binary equivalent of a given decimal number using do while loop.
07	WAP to check whether an entered number is prime number or not using for-loop.
08	WAP to generate the following given pattern using nested for-loop. <pre style="text-align: center;"> A  B  C  D  C  B  A   A  B  C  B  A     A  B  A       A </pre>
09	WAP to find value of BIO using function, Where BIO is defined as $BIO = n! / (r! * (n-r)!)$ , n and r are natural numbers.
10	WAP to find the GCD and LCM of two given numbers using recursive function
11	Write a program to find largest and second largest element of array.
12	WAP to accept N element of an array and to sort and display them in ascending order using function.
13	Write a program for multiplication of two (M*N) matrices.



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14	WAP to calculate and display sum of all the elements except diagonal elements of the matrix using function.
15	WAP to check whether entered string is palindrome or not.
16	WAP to concatenate first, middle and last name using function.(without using any library function)
17	Define a structure called Player with data members Player name, team name, batting average Create array of objects, store information about players, Sort and display information of players in descending order of batting average.
18	Define a structure called Player with data members Player name, team name, batting average Create array of objects, store information about players, Sort and display information of players in descending order of batting average using function.
19	Write a menu driven program to swap two numbers using call-by-value and call-by-reference.
20	Write a program using pointers to display the contents of array in reverse order.

**Course Incharge**  
Shwetambari Borade