



BASIC-PROGRAM'S

1. Accept 5 Subject Mark's & calculate Total marks & Average.
2. Accept Bill Amount & calculate 18% GST Amount & final Amount.
3. Swap 2(two) value's without using third variable.
4. Accept value's of (x & y) and solve following Expression.
 $(Z=(4x^2+5y^3)/2xy)$

DECISION MAKING IF – ELSE

1. Accept Mark's & display Grades eg.75 above A grade, 65 above B grade,fail
2. Accept 6 different number's & display Larger number.
3. Accept 4 different number's & display Smaller number.
4. Infosys want's to hire a Driver having following criteria's.
 - a. Age must be Greater than 40.
 - b. Driving Experience Greater than 10 Years.
 - c. 12th Mark's Greater than 60.

Take driver's detail and display he is eligible job

LOOP'S

1. Display 1, 3, 5, 7....., 99 (Odd Numbers).
 2. Display 0, 2, 4, 6....., 100 (Even Numbers).
 3. Display 0, 5, 10, 15..., 100 Numbers.
 4. Display 1, 4, 10, 22, 46, 94.....such series.
 5. Calculate Square of 1 to n Numbers.
 6. Display Fibonacci Series for given number.
 7. Accept value of 'x' & 'y' then calculate x^y .
 8. Accept number & count total digits of number.
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NESTED - LOOP'S

1. Find all Prime Number's Between 3 to 100.
2. Display All Combination's of (1, 2, 3). Like 111, 112, 113, 121, ..., 333.

ARRAY

1. Replace values in array as follows.
Negative value will be positive and positive will be negative
eg. Array= -1, 3, 6, 7,-6,3,76,2,-34
output=1,-3,-6,-7,6,-3,-76,-2,34
2. Scan a array from user and reverse only half array
eg. Array=1,4,3,5,6,4,2,3,5,6,7,5,4
output=4,6,5,3,4,1,2,3,5,6,7,5,4
3. Take a array from user and store sum of 1st and last index, 2nd and secondlast index, 3rd and 3rd last index and so on in another array
eg. Array=1,4,3,5,3,6,4,7,4,7,4,5
output=6,8,10,9,10,10

STRING

1. Using gets() & puts() function Accept & Display String.
 2. Display String Using Loop.
 3. Convert a given String from upper to lower and lower to upper
eg. String—>FirSTBitSolutiONS
output—>firStbITsOLUTions
 4. Get input 2 different Strings & Merge into 3rd String.
 5. Accept a character & Display how many times Repeated into the String.
 6. Replace vowels in String with '\$'
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STRUCTURE

1. Create Structure for Student having (Roll_no, Name, Mark's) as a Member's Store & Display Record for 10 students and find top3 students.
 2. Create Structure for Employee (EID, Name, Salary) Store & Display Records for 10 Employee's and print employee with maximum salary
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STRUCTURE WITH IN STRUCTURE

1. Get Student Information with Date of Birth & Date of Admission and his address, in this dob, date of admission and address must be nested structures.
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MENU DRIVEN USING DO WHILE AND SWITCH CASE

1. Write a menu driven code to scan a digit from user and perform 10 operations on that digit as per user's choice.
 - a. Display all digits separately.
 - b. Addition of all digits.
 - c. Display digits in reverse order.
 - d. Display maximum & minimum digit.
 - e. etc upto 10 choices



2. Write a menu driven code to scan an array from user and perform following operations on that array as per user's choice.

- a. Display all elements in Reverse order.
- b. Calculate Square of every element.
- c. Calculate Cube of every element & store into Second array.
- d. Copy one array into another array.
- e. Count negative & positive Numbers.
- f. Accept a value & Search into an array & Display it is Present or Not also Position of value.
- g. Search value into an array & Replace this value with 7.
- h. Take New input value. Search any value into an array & Replace this value with New value.

3. Write a menu driven code to scan a string from user and perform 10 operations on that string as per user's choice.

OPTIONAL

Write a program to create a tic-tac-toe game.