Assignment C

Module 3.1 --> C Language Fundamental

- 1> Display this information using printf.
- 1. Your name, 2. Your Birth Date, 3. Your Age, 4. Your Address.

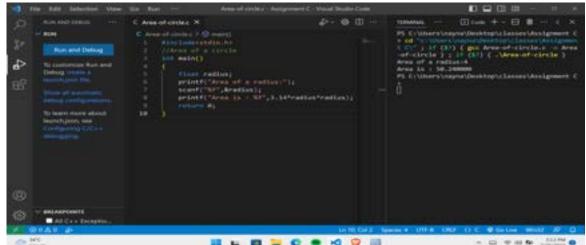
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2> Write a program to make Simple calculator (to make addition, subtraction, multiplication, division and modulo).

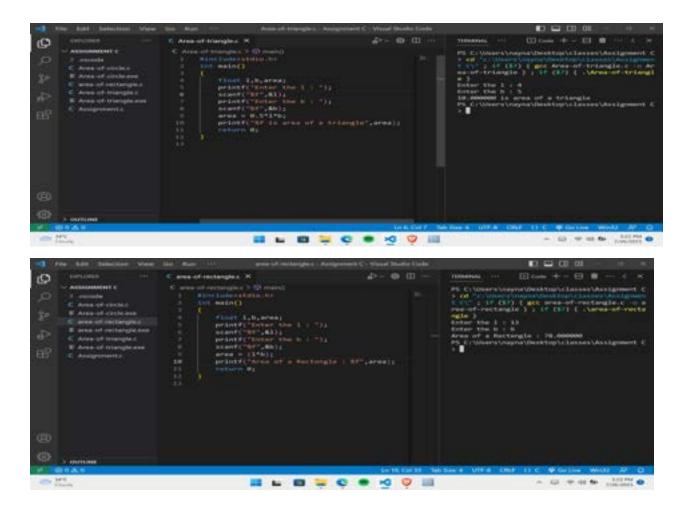
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Ans.

| Fig. 688, Services was do not be being being become supposed supposed () and back () and back
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3> Write a program to find Area of circle, rectangle, and triangle.



Ans.



4> Write a program to find simple interest.

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                                                                                                      goc Simple interest.c := Simple interest ) ; if ($7) {
                          3Chrise tru
                                                                                                      Enter p : 3
Enter r : 4
                              int P.R.T.SimpleInterest;
                                                                                                      Ester t : 5
                                                                                                      Final Simple Interest is : 6600
PS C:\Users\nayna\Desktop\classes\Assi*Ment C-
                              printf("Enter r : ");
scanf("No",AR);
                              SimpleInterest = P * R * T * 100;
printf("Final Simple Interest in : 50", SimpleInterest);
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Ans.
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5> Write a program to check if the given year is a leap year or not.

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Ans.

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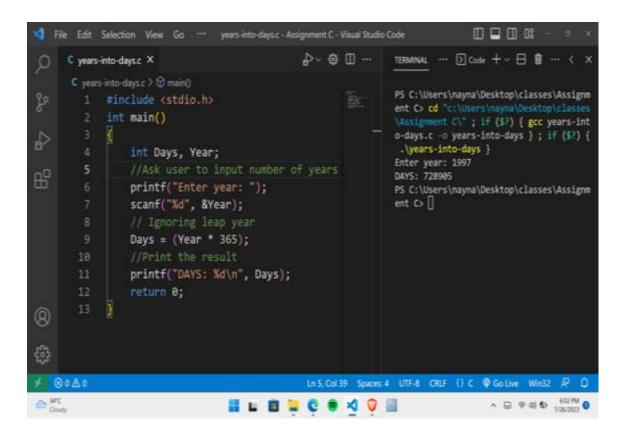
6> Write a program to convert years into days and days into years.

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C days into years.c X
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                              #include <stdio.h>
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                                    int main()
                                                                                                                                                                                                                                                                                                                      Vasignment C\" ; if ($7) { gcc days-into
-years.c -o days-into-years } ; if ($2) {
                                                                                                                                                                                                                                                                                                                             \days-into-years
                                                            int Days, Years;
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ent C> *Q[
                                                           printf("Enter days: ");
                                                           scanf("%d", &Days);
// Ignoring leap year
                                                           Years = (Days / 365);
                                                           printf("YEARS: %d\n", Years);
                                                           return 8;
                                                                                                                                                                                                                                  En 14, Cel 1 Spaces 4 UTF-6 CRUI () C ♥ Go Uve Win32 P □

→ □ ♥ di to 100.700 

■ □ ♥ di to 100.7
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Ans.



Module 3.2 --> C Language Programming with C

1> Write a program to swap two numbers without using Third variable.

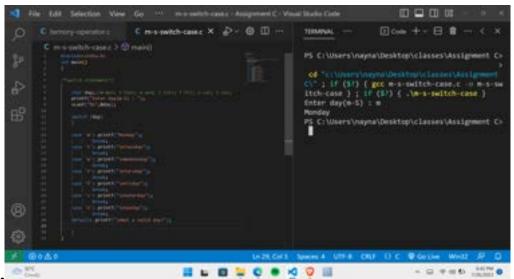
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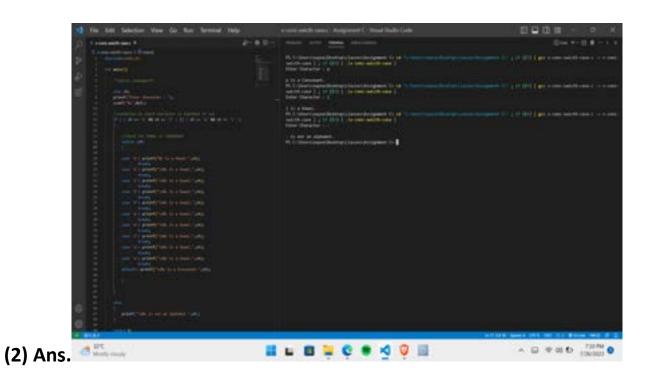
2> Write a program to find number is even or odd using ternary operator.

3> Write a program to show

- 1. Monday to Sunday using switch case.
- 2. Vowel or Consonant using switch case.



Ans. (1) Ans.



4> Looping programs:

- 1. Write a program to print 972 to 897 using for loop.
- 2. Write a program to take 10 no. Input from user and find out

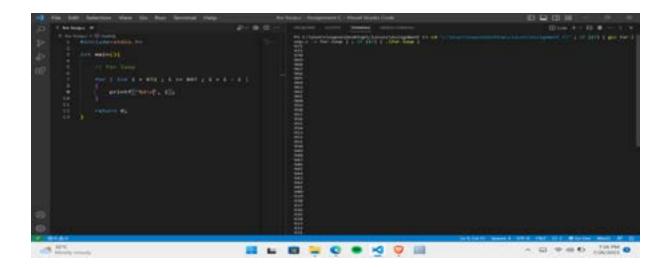
How many Even numbers are there?

How many odd numbers are there?

Sum of even numbers.

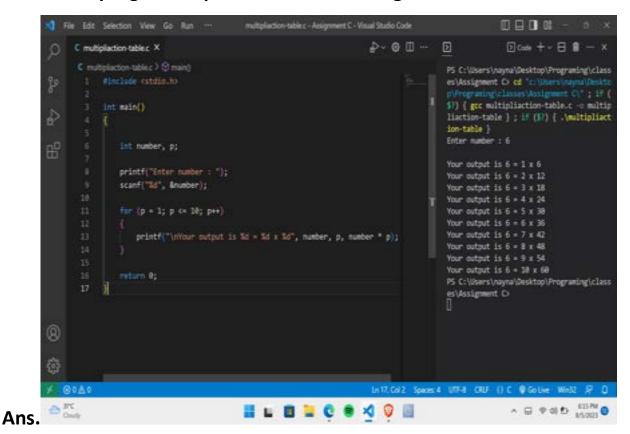
Sum of odd numbers.

Ans. (1) Ans.



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                          C User-input: X
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                                                                                                       till ; if (E) ( got user-leput,c o user-leput ) ; if (E) ( /user-leput ) 
Enter number :38
                                 let main()(
                                     Int number, 1, tun - 8;
                                                                                                       Even numbers is : 6
Even numbers is : 8
                                     for (number = 1; number <- 10; number++)[
                                        17 (number X 2 ++ 80)
                                           sum = sum = sumber;
printf("Univer number); in "Si", number);
                                                                                                       Odd numbers is
                                                                                                       Odd numbers Es t 3
                                                                                                       Odd numbers in : 5
                                                                                                       Odd numbers is : 7
Odd numbers is : 9
                                                                                                       Sum 1a : 55
                                     for (number = 1; number <= 10; number++)(
                                                                                                       PS C:\Duers\nayna\Desktop\Programing\classes\Assignment, C
> |
                                         if (number 5 2 to 8)E
                                           printf("inDdd numbers it : 50", number);
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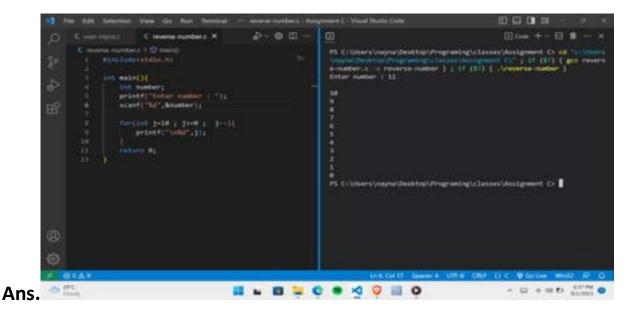
5> Write a program to print the table of the given number.



6> Write a program to print factorial of given number.

7> Write a program to print Fibonacci series up to given numbers.

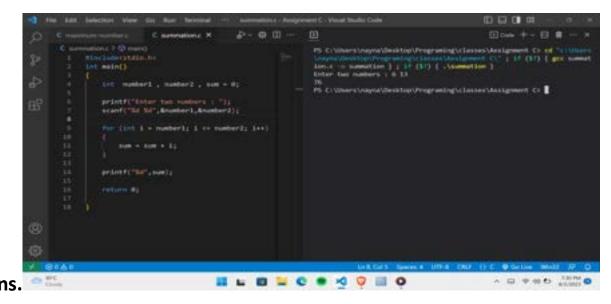
8> Write a program to print numbers in reverse order.



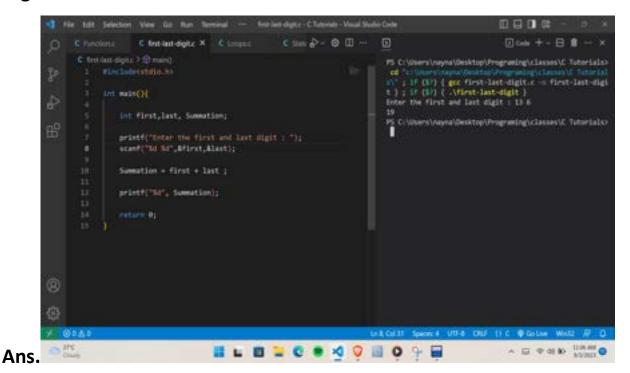
9> Write a program to find out the max from the given number.

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                                                                C maximum-number c X
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-o maximum-number }; if ($?) { .\naximum-number }
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                                                                                                      printf("Enter three number : ");
                                                                                                     scanf("Md Nd Nd", Bn1, 8n2, 8n3);
                                                                                                       If(ml)m2 88 ml>m3)
                                                                                                                   printf("nl is maximum.");
                                                                                                     else if(n2)n3 & n2)n1)
                                                                                                                    printf("n2 is maximum.");
                                                                                                            printf("n3 is maximum.");
                                                                                                      neturn 8:
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                                                                                                                                                                                                           Ans.
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10> Write a program and make a summation of the given number.



11> Write a program you must make a summation of first and last Digit.



12>Patterns Programs:

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                                                                       s.c. > Star-Patterns ); if (31) ( .\Star-Patterns )

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     }()nism ini E
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           int p, u;
            printf("Enter the number of rows : ");
            scanf("%5", %p);
            # * p;
            for (int n = 1; n <= p; n++)
                for (int j = 1; j <= u - 1; j++)|
                   printf(" ");
                    printf(" " ");
                printf("\n");
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(3) 1
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2 3

4 5 6

7 8 9 10

11 12 13 14 15

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               Charlesparenc Charlesparenc Charlesparenc X (2-0 □ - □
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                                                                                      mic or Number-Pattern ); If (IV) { gcc Number-Pattern } Enter the number of rose: 5
                    Int male()[
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454
78918
                                                                                       11 12 13 34 15
                        int rows, i, j, number + i;
                                                                                       PS C:\Users\nayna\Desktop\Programing\classes\Assignment C>
                        scanf("Ma", Brows);
                         for (i = 1; i or rows; i++)
                              printf("Md ", number);
                              sequeber;
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           District
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Ans.
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1010
                    3 wold pattern(int a);
                    5 int main()
                                                                                   PS C:\Users\nuyna\Desktop\Programing\classes\Assignment C
                           pattern(5);
                             return 0;
                   12 void pattern(int a)
                            for (int d = 1; d <= a; d++)
                                 printf("\n");
                                  for (int e = 1; e <= d; e++)
                                      int ans = (e % 2);
                                      printf("%d ", ans);
                                                                                                          DECOME Special UT-8 CHU (EC Michigan Michigan P D
            ≥ EPC
Onds
                                                                                                                                     ^ □ ♥4 ₺ NGSM 0
                                                              Ans.
```

(5) A

A B

A B C

A B C D

A B C D E

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| Fig. Set Section View Co. Row Terminal Hills | Character protects | Character patterns | Ch
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Ans.

(6) Α C В Ε F D J G Н ı Κ L M N 0

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Characters-Pattern.c - Assignment C - Visual Studio Code
                                                            $> $ □ ... D D code + - □ B ... x
     C Characters-Pattern.c X
      Characters-Pattem.c ) @ main()
                                                                             PS C:\Users\nayna\Desktop\Pro
            #include <stdio.h>
                                                                             graming\classes\Assignment C>
            int main()
                                                                              cd "c:\Users\nayna\Desktop\A
                                                                             rograming\classes\Assignment
                char alphabet = 'A';
                                                                             Cl"; If ($?) { gcc Character
                                                                              s-Pattern.c -o Characters-Pat
                                                                             tern } ; if ($2) { .\Characte
                for(int i=1;i<=5;i++)
                                                                             rs-Pattern }
                    printf("\n ");
                                                                              8 C
                    for(int j=0;j<i;j++)
                                                                              DEF
                                                                              GHI3
                                                                              KLHNO
                        printf("%c ",alphabet);
       13
                                                                             PS C:\Users\nayna\Desktop\Pro
                        alphabet++;
                                                                             graming\classes\Assignment C>
                return 0;
                                                 In 13, Col 23 Spaces 4 UTF-8 CRUF () C ♥ Go Live Win32 ₽ Q
   @0∆0
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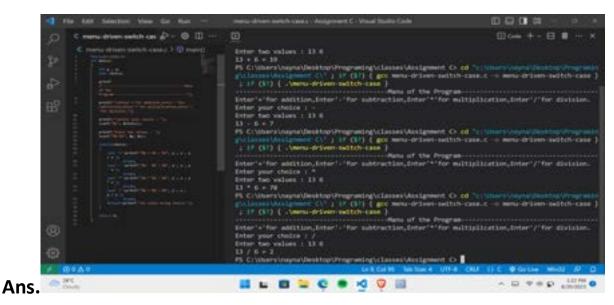
Ans.

Module 3.3 --> File Handling and debugging

1> Write a program to find out the max number from given array using function.

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The fill between two to make a second control of any antifunctions of an
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2> Write a program of Addition, Subtraction, Multiplication and Division using Switch case. (Must Be Menu Driven).



3> Write a program to find the reverse of string using recursion.

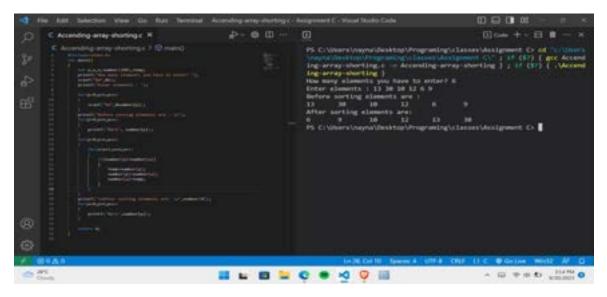
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C reverse string with recursion.c. X
                                                                                         PS C: Ween's nayna' Desktop' Programing's Lasses' Assignment Co
                                                                                         erse-string with-recursion ); if ($1) ( .Veverse-string-with-recursion )
                                                                                         Sider a string to reverse: Priyarka
The string after reversing is: aknayir?
PS C: Users\nayna\Desktop\Programing\classes\Assignment C>
            oner atri[28];
lot size;
            printf("Enter a string to reverse: ");
                                                                                          п
            scanf("No", stri);
size + strien(stri);
             printf("The string after reversing in: Natu", stri);
            temp = stri[index];
            strl[index] = strl[size - index];
strl[size - index] = temp;
1F (index -- size / 2){
             reverse(str1, index + 1, size);
                                                                                    In 16 Cal 26 Spaces # UTF # CREF | | C @ Colleg World #P
                                                 A G POD HAME
```

4> Write a program to find factorial using recursion.

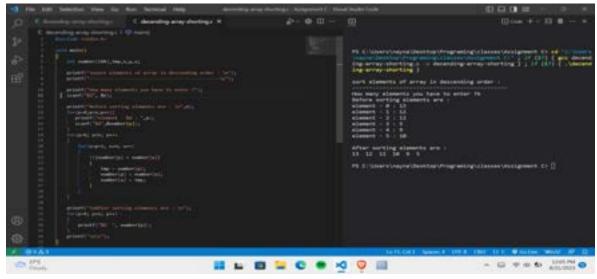
5> Write a program to take two Array input from user and sort them in ascending or descending order as per user's choice.

Ans.

Acceding Order

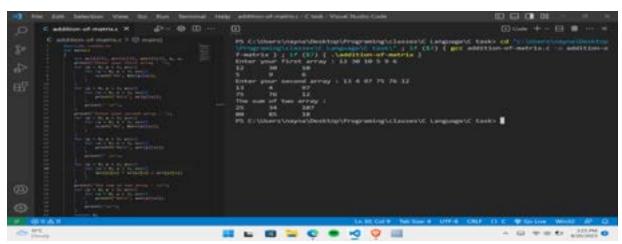


Descending Order

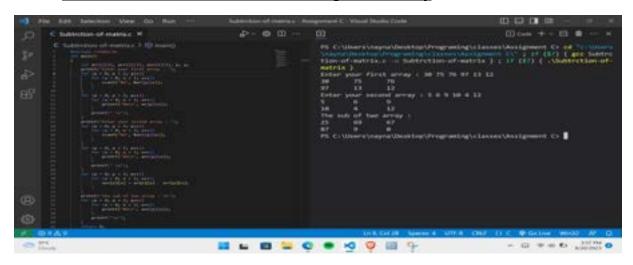


6> Write a program to make Addition, Subtraction and Multiplication of two matrix using 2-D Array.

Ans. Addition of two matrix using 2-D Array



Subtraction of two matrix using 2-D Array



Multiplication of two matrix using 2-D Array

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| Companies | March |
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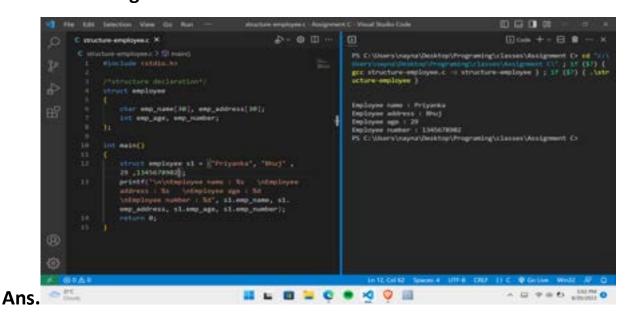
7> Write a program to Find out length of string without using inbuilt function.

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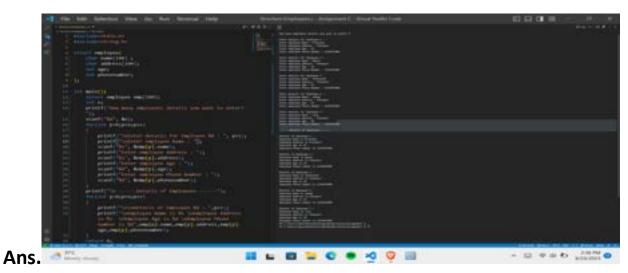
8> Write a program to reverse a string and check if the string is palindrome or not.

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to strong periodicions of the continue of the
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9> Write a program of employee structure that provides the following information - Print and Display Employee-number, Employee-name, Address and Age.



10> Write a program of structure for five employees that provides the following information -print and display Employee number, Employee name, Address and Age.



11> Write a program to show the difference between Structure and Union.

