

```
1=3 | 5=4-4
                       ) = Sorted Array
    for ( i=0; i<n-1; i++)
            for (is = i+1; i < n; j++)

(if (aro[i] > aro[i])

temp = arr [i];

arr [i] = arr [i];

arr [i] = temp;
#include<stdio.h>
#define FALSE 0
#define TRUE 1
int main()
    int a[10];
    int n,i,j,temp;
    printf("Enter number of elements:");
    scanf("%d",&n);
    //input
    for(i=0;i<n;i++)
        printf("Enter value of %d element:",i+1);
        scanf("%d",&a[i]);
    //selection sort
    for(i=0;i< n-1;i++)
        for(j=i+1; j<n; j++)
            if(a[i]>a[j])
                temp = a[i];
                a[i]=a[j];
                a[j]=temp;
        }
    //output
    for(i=0;i<n;i++)
        printf("%d ",a[i]);
    return 0;
}
```

```
Bubble:-
                         14 15 it if (arr[i] > arr[iti])
           arr ) 2 13 3/
                      A
                      3
                                  j=0 to 0
                文元
                  2 3 4 F < Sorted
           j = 0 to < n-i
  #include<stdio.h>
  #define FALSE 0
  #define TRUE 1
  int main()
  {
      int a[10];
      int n,i,j,temp;
      printf("Enter number of elements:");
      scanf("%d",&n);
      //input
      for(i=0;i<n;i++)
          printf("Enter value of %d element:",i+1);
          scanf("%d",&a[i]);
      }
      //bubble sort
      for(i=1;i<n;i++)
          for(j=0; j<n-i; j++)
```

```
if(a[j]>a[j+1])
                         temp = a[j];
                         a[j]=a[j+1];
                         a[j+1]=temp;
                    }
               }
          }
          //output
          for(i=0;i<n;i++)
               printf("%d ",a[i]);
          return 0;
     }
Inpertion: +
                                                          911 5
                   for (i=1; i<n; i++)

{

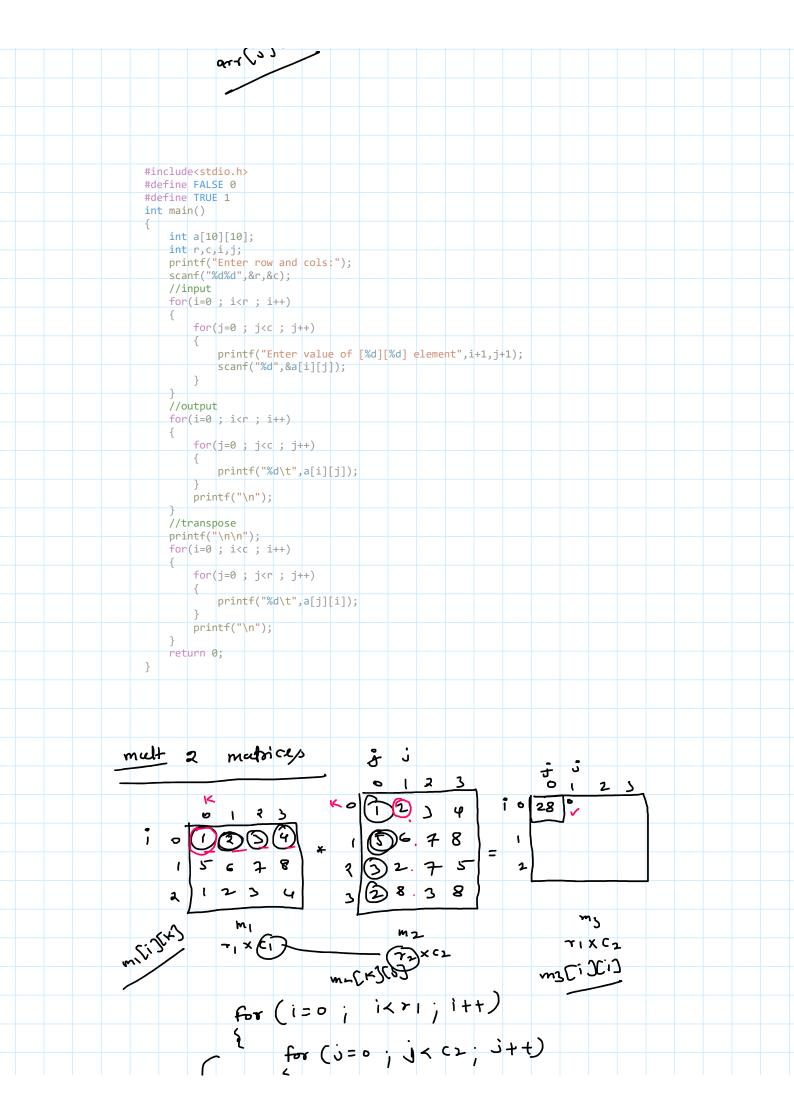
num = arr[i];

for (i=i-1; j>=0 44 arr[i]>num; i--)

{

arr[i+1] = arr[i];
                         arr [jti] = num
                    int 977 [3] [4]
                                  0
                                                      ar [ [ ] [ 1] = 10 j
                                     911
int arr [3] [4] = { 10, 20, 30, 40, 50, 60, 70, 80, 90 }
```

```
50 60 70 80
int are [s] [4] = { $ 10, 20, 303, {40, 50, 603, {70,80, 903}};
                   100
                      20 30
                      30
                          90
                     80
    int arr(s) = {1,2,3,4,5,63; Error
     #define FALSE 0
    #define TRUE 1
    int main()
        int a[10][10];
        int r,c,i,j;
        printf("Enter row and cols:");
        scanf("%d%d",&r,&c);
        //input
        for(i=0; i<r; i++)
            for(j=0 ; j<c ; j++)
               printf("Enter value of [%d][%d] element",i+1,j+1);
               scanf("%d",&a[i][j]);
        //output
        for(i=0; i<r; i++)
            for(j=0; j<c; j++)
               printf("%d\t",a[i][j]);
            printf("\n");
        return 0;
     }
                                                      11
                                                    12
```



```
for (i=0; j<c2; j+t)

ms[i][i]=0;

for (K=0; K<c4; K+t)

[i ms[i][i] += mi[i][k] * mz[k][i];
String: - char Array.
%c char ch = 'A';
%s char s[10] = "ABCD";
string

S[A]
                                                  int a[10] v
                            SABCDOS)
          printf ("%s", s), -> ABCD
Input:
               char str [20];

scanf ( " %) , L str ); Space ×
  #include<stdio.h>
  #define FALSE 0
  #define TRUE 1
  int main()
      char str[20];
       printf("Enter your name:");
       //scanf("%s",str);
       //gets(str);
       scanf("%[0-9]", str);
       printf("Your name = %s",str);
      return 0;
```

String.	
	- stropy
	- streat
	- strcmp
	- strreu
	- strstr
strlen -	char si [i] = "ABCD";
	int n = strlen (s1);
	- , c (us/ 11 - 7 , - 3 4
	printf ("%d", n); -> 4
Stropy	:- Char silot "ADCD";
J J	
	Char Salia
	Stocpy (\$2, \$1);
	348 CPG (- 2 , 1)
	dest Source
c h a x	S [10] · BA
Cisci	S, [10] · A C C D to
X	S = "ABCD" / Error
	LA
	stropy (s, "ABCD");
stroat	char s. Frol = "Arco".
	char s, [10] = "ABCD"; char s=[20] = "xy2";
	char 52[20] = "xy2";

strcat (51 52)
printf ("%s", s,); ABCDXyz
Strcmp:-
v s2 = "pamit"
$strcmp(s_1, s_2); \qquad s_1 < s_2 \rightarrow 1 $ $s_1 = s_2 \rightarrow 0$
strrev:
char s, [10] = "ABCD";
printf ("3/25", s,), -> DCBA
Strstr:->
SI = "ABC DEF GHIJK";
\$2 = " GHI"; \$6
Court frequency of digits $S_1 = 0.6 \text{ cdiis} 8509 \text{ rp} 3625075p2975$
u4-57.48 0- int allo]= {03;
1 49 1 - 2 50 2 - 3 51 3 - a 0 0 0 0 0 0 0 0

