*STRINGS :

Most programming languages have a data type called a string, which is used for data values that are made up of ordoned sequences of charactors. Such as "hello world".

Sequence of characters, visitele l'invisible and characters may be repeated. The number of characters in the string is called its length and hello world has length 11 - made up of 10 letters and 1 space.

empty string which contains no characters - length o. A string can be a constant / variable. It is a constant, it is usually written as a sequence of characters enclosed in single / cloudle quotation mark (i.e) 'hello' or "hello".

text output is in the form of character strings.

some useful string handling
functions in c programming:
Strlen():-

In a programming, we use strlen() to find the length of the string.

String handling function strlen() returns the number of characters in string.

Syntax:variable_name = strien(string or string-variable);
eg:-

int main () {

char lang[] = "program";

printf (" In Length : % Zu", Strlen (lang));

return 0;

output :-

Length: 7

2) Strcpy () :-String handling function Stropy() is used to copy content of one String variable to another String variable. (i.e) Syntax :-Stropy (Stringa, Stringi); copies content of string 1 to string 2 e9 :int mais () { char a Qo] = "Trasty"; char b [30] : 8tx (py (b, a); printf ("capied string in b is 405" return o; Output :-Copied String in b is Tasty.

3) strcmp():-

In c programming, string handling function stromp() is used to compare 2 strings. This function returns o if 2 strings are same otherwise it seturns some integer value other than 0.

Syntax :-

Variable_name = Stromp (String), string2);

eg :-

int main() {

Chax a[20] = "acd";

char b[30] = "acdy";

printf ("god", stremp(a,b));

return o;

Output :-

4) Str cat () :-

String handling function, streat () is used to concatenate 2 strings.

Concatination is the process of merging content of 1 string to another string.

Syntax:

8trax :
8trax :
8tring1, 8tring2);

concatenates content of 8tring2 after

content of 8tring1.

eg:-

int main() {

char a[20] = "tasty";

char b[20] = "food";

printf("Result is %s",

streat (a,b));

return 0;

Result is Tasty food.

```
# include <stdio.hs
# include < String.h >
int mais ()
    char a [100];
    int leagth;
    printf ("Enter a string: ");
     gets (a);
     length = 8txley (a);
     printf ("In length of the string = god,
                                 length):
     return 0;
 output :-
 Enter a string : Ak programz
 length of the 8tring = 11
```