Let's solve it

int strcmp (_____ , _____)

$$\Rightarrow 0 \quad same$$

$$\Rightarrow +ve \text{ _____}$$

$$\Rightarrow -ve \text{ _____}$$

'b' 'a'

'a' - 'b'

st1 | meetro

st2 | heni/to

meli ascii

'm' - 'h'

st1[0] - st2[0]

'm' - 'h'

+ve st1 is
alphabetically later
than st2.

'm' - 'h' +ve

1.
st_1 a b c e \0

st_2 a b c x \0

$\Rightarrow$ 'e' - 'x' $\Rightarrow$ -ve

st_2 comes first in alphabetical order.

2.
st_1 a b c d \0 = e e

st_2 a b c d \0

'\0' - 'x'

0 ~ 0

$\Rightarrow$ 0 $\Rightarrow$ Same

3.
st_1 a b c \0

st_2 a b c d e \0

'\0' - 'd' $\neq$ -ve   short length

4.
st_1 a b c d e

st_2 a b c

'd' - '\0' $\Rightarrow$ +ve

Matching passwords

```c
char comppas[] = "secret2";
char userpas[10];
printf("\n Enter password");
scanf("%.5", userpass);
int result = strcmp(comppas, userpas);
if(result==0)
{ printf(" Welcome"); }
else
{ printf(" Sorry"); }
```

// 1st
secret2
0 1 2 ... 10

// 2nd

compPass
secret2
0 1 2 ... 10

userpass
h e l l o
0 1 2 ... 10

secret
0 1 2 ... 10

strcat :- concatenation (append)

firstname | Meet\0

middlename | Jagdishbhai\0

lastname | Tank\0

fullname | Meet Jagu _Tank\0
                 fn , mm , ln

strcat (ar1 , ar2)   ar1 | hello\0
        dest source   ar2 | world\0

        → ar1 | hello world\0
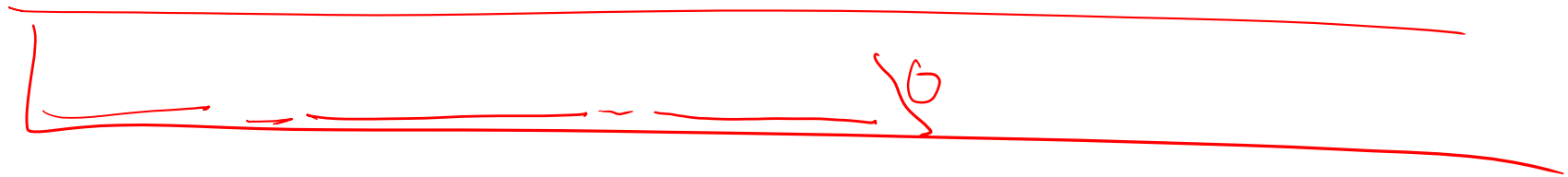
strcat(fullname, firstname);

strcpy(fullname, firstname);

strcat(fullname, " ");

String literal

meetlo

meetlo

```
strcat(fullname, middlename);
strcat(fullname, " ");
strcat(fullname, lastname);
```

_____
|_____\0
_____

strcat returns base address of
destination.