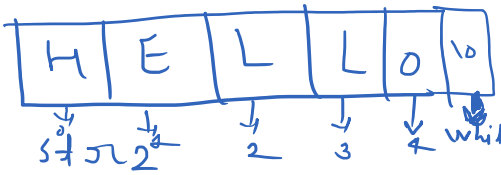
DS_Class-A_27-8-2021

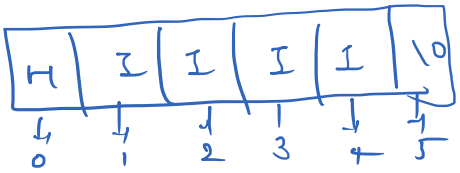
27 August 2021 10:12

```
char str1[10], str2[10];
int len1, len2, i=0;
```

str1




```
len1 = strlen(str1);
len2 = strlen(str2);
```



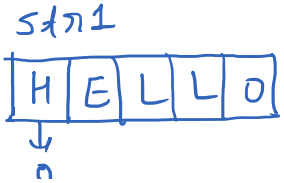

```
if (len1 == len2)
{
  while(i < len1)
  {
    if (str1[i] == str2[i])
    {
      i = i+1;
    }
    else
    {
      printf("Not Equal");
      break;
    }
    if (i == len1)
    {
      printf("Equal");
    else
    {
      printf("Not Equal");
    }
```

str1 = length → 5

len1 = 5

if (len1 == len2) 5 == 5 ✓

str1

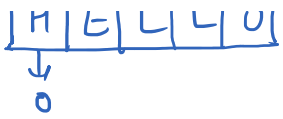


1st :—

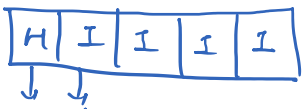
while (i < len1) 0 < 5

{ if (str1[i] == str2[i]) str1[0] == str2[0]

i = i + 1;



str2



len1 = 5

len2 = 5

```
{ if (str1[i] == str2[i])   str1[0] == str2[0]
  i = i + 1;                0 + 1 = 1        H == H
}
else
{
   X
}
if (i == len1)
{
  printf("Equal");
}
```

2nd :

```
if (str1[i] == str2[i])   str1[1] == str2[1]
{                                 E == I
   X                              X
}
else
{
  printf("Not equal");
}
```

str1

HELLO

str2

CBA

len1 = 5

len2 = 3

```
if (len1 == len2)   5 == 3
{   X                   X
}
else
{
  printf("Not Equal");
}
```

Task - 1

str1:- cls

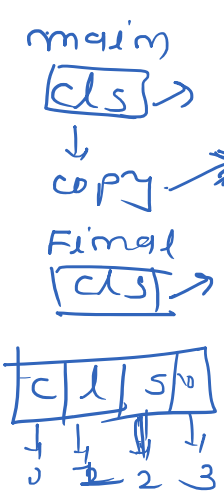
```
#include <stdio.h>
```

str1:- cls
str2:- as
Final:- class

```
#include <stdio.h>
#include <string.h>
main()
{
  char main[10], new[10],
       Final[10];
  int pos, len1, len2, i=0,
  length, temp2, temp=0
  temp1;
```

```
  printf("Enter main string");
cls ← scanf("%s", main);
  printf("Enter new string");
as ← scanf("%s", new);
  Printf("Enter position from where
          you want to insert new string:");
2 ← scanf("%d" &pos);
3 ← len1 = strlen(main);
2 ← len2 = strlen(new);
  while (i <= len1)        0 <
  {
  Final[i] = main[i];
  i = i + 1;
  }
  length = len1 + len2;   3+2
  temp1 = len2 + pos;   2+2 = 4
```

Copy First string in Final string



temp1 = len2 + pos; 2+2 = 4

for(i = pos; i < length; i++) i = 2, i < 5

{

temp2 = Final[i];

temp2 = s;

main[i]

main[2]

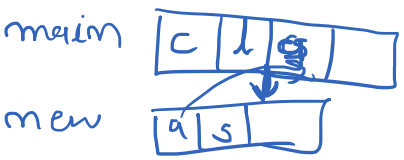
if (temp < len2) → Inserting 2nd string into 1st string

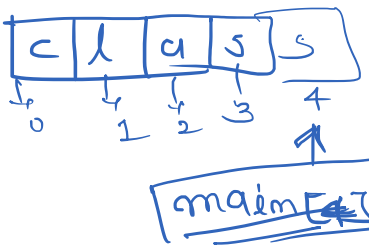
{

main[i] = new[temp];

temp = temp+1;

}





main[temp1] = temp2;

temp1 = temp1+1;

}

printf("%s", main);

}