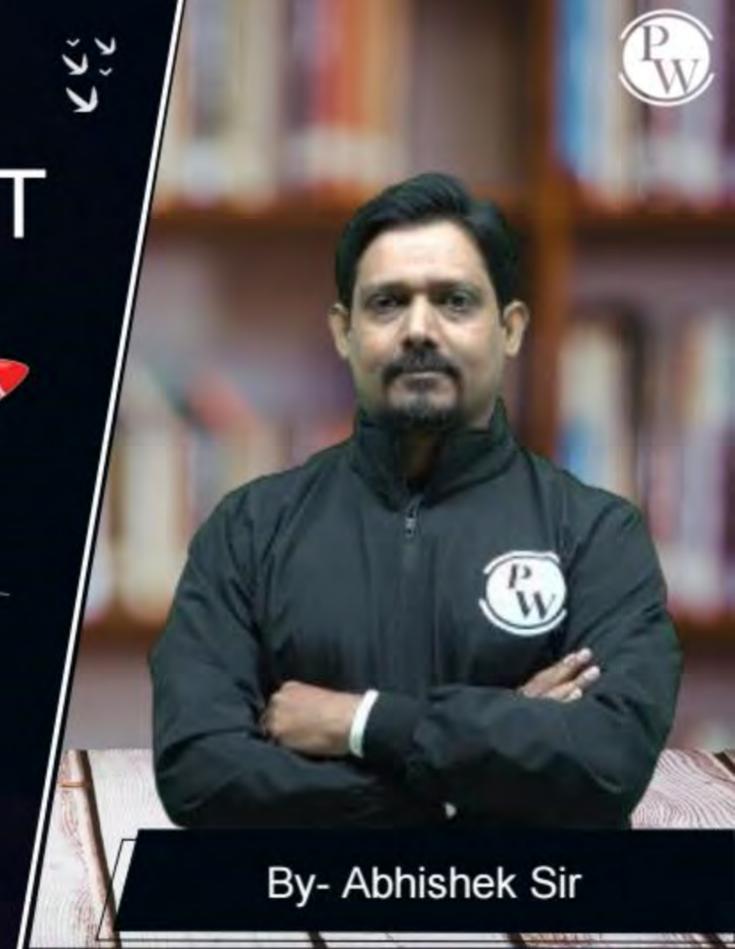
Computer Science & IT

C Programming

String in C Programming

Lecture No. 01





Recap of Previous Lecture







Topic

2-Darray

Topic

All Data type

Topic

Topic

Topic











Slide

List coding -> Stoucture

+

Dynamic memory allocation



GATE 2015



```
, array of painter all
#include<stdio.h>
                                                  73
                                              27
int main(){
     static int a[] = \{14, 27, 73, 40, 50\}; 100 | 104 | 108
     static int *p[] = {a, a+3,a+4,a+1,a+2};*
     int ** ptr=p;
                    (204-200)
                                         100 112 116 104 108
     ptr++;
     printf ("%d%d", ptr-p, **ptr);
                                         200 204 208 212 216
The output of the program is
                                                        Dto++;
```





String
Null character
Print string
Two ways to declaration of strin g
Array of string
How to print array of string
Array of string using character pointer









To point the String point-f ("%s", a); from where string is beginning.

Base Address

Every character got printed till Nall character

















```
Char * cha = "parakram"; Second way to initialize the
using character pointer.
                                   Stong
             Cho++; allowed?? yes
              chale]: 'S';
ponntf ("0/05", cha); No output
```





Storng declosed in (ROM) (Read only memory)

String cant be changed (immutable)



output 3323 (W)

```
if (ch, = = che)
     pnnf (%d",1);
els prinf("/d" 2); 2
   (ch3 == ch4)
     pm/f ("/.d", 3); (3)
else
     pmnf ("/d", 4);
```









```
Avorage stoings
                    2 Dimension Array of character
  Char ch[2][10] = { "parakram", "vijay}; 20B|
        parakram vo vi ja y 10 10 10 10
        100 101 102 103 104 105 106 107 108 109 110 111
                                      ch(1) = *(ch+1) *(110)=vijet
```





Chao ch (2) [10]



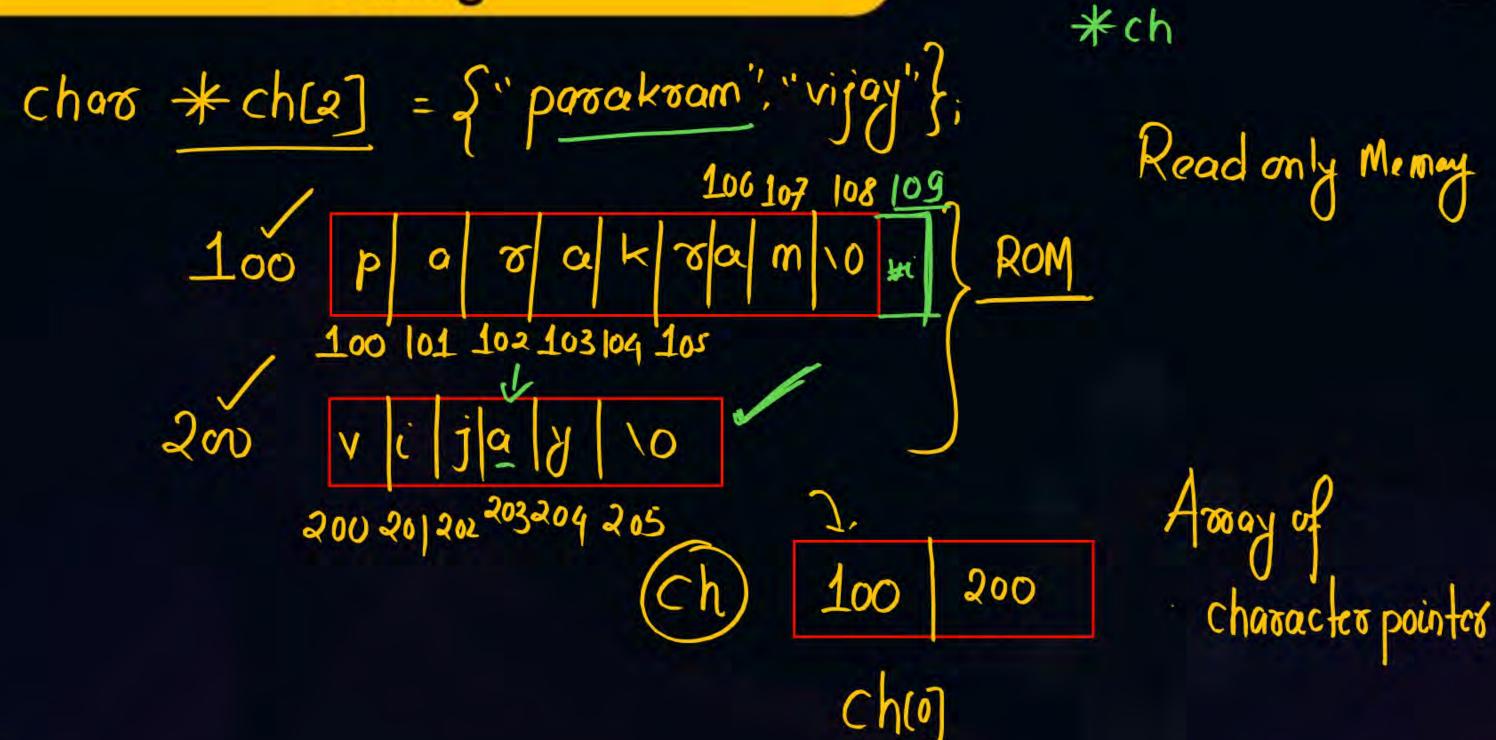
a parsaksam vijay



```
char ch[2][10]= { 'porakoam', 'vijay'};
pontf ('/.c', ch[1][3]); parakoamiono
 pmn: | f ("/s". ch[0]); * (chto) = *ch
 pontf ("15", chio]+9); __ It will Not mont anything
pontf ("/s", ch(1)); * (cht1) : * (110) vijay
```













```
* ch[2]
                          200
  pontif ('1s', * ch);

parakoam

Ch(0)
   ponif ("1.s", *ch+1) // arakvan
   points ("/s", *ch+8) // No aut put
   point (1/2; * (ch+1) // ch(1) Vijay
point (1/2; c(1)[3]); // (* (ch+1)+3)
Slide
```

```
point ( "/6 S", ch[0]);
pnn+f ("%s", ch(1));
Ch(1)
  pontf (1.5, *ch)
  >> pmnff ("1.s", *(ch+1)
```





$$\begin{array}{c} ((1)(5)) & \underline{((1))} \\ * & (+(1) + 5) \\ * & (200 + 5) \\ * & (205) = \end{array}$$





$$+x ch = 100$$
 $100+9=109$

ROM strings are consecutive or Not.



2 mins Summary



Topic

Topic

Topic

Topic

Topic

THANK - YOU

