CS & IT

ENGINEERING

Control Flow Statements

Iterative Statements: More about loops-2

Programming in C

Lecture:06



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TOPICS TO BE COVERED

1:More about loops

$$N = 145$$
While (n>0)
$$\begin{cases} 2ast = n/10; \\ n = n/10; \end{cases}$$

factorial of last

lost =

とこの

Prod =1

$$m = 145$$

$$sum = 0 a = n;$$
While (n>0)
$$\begin{cases} last = n / 10; \\ n = n / 10; \end{cases}$$

$$Trod = 1;$$

$$for(i=1; i < lost; i++)$$

$$rod = Prod x i;$$

$$Sum = sum + Prod;$$

$$3$$

Prod=1;

for (i=1; i<=5; i++)

Prod=Prodxi;

printf ("/d", Prod);

Prod = 1;

for (i=1; i<=6; i++)

Prod = Prod xi;

printf ("/d", Prod);

Prod = 1;

for (i=1; i<= 7; i++)

Prod = Prodxi

printf ("./.d", Prod);

S! for (n = x; n <= x; n ++) n = 5

fact of for (i = 1; i <= n; i++)

Prod = Prod x;

print ("/d", Prod);

Reverse

Abtakkareverse = 0;

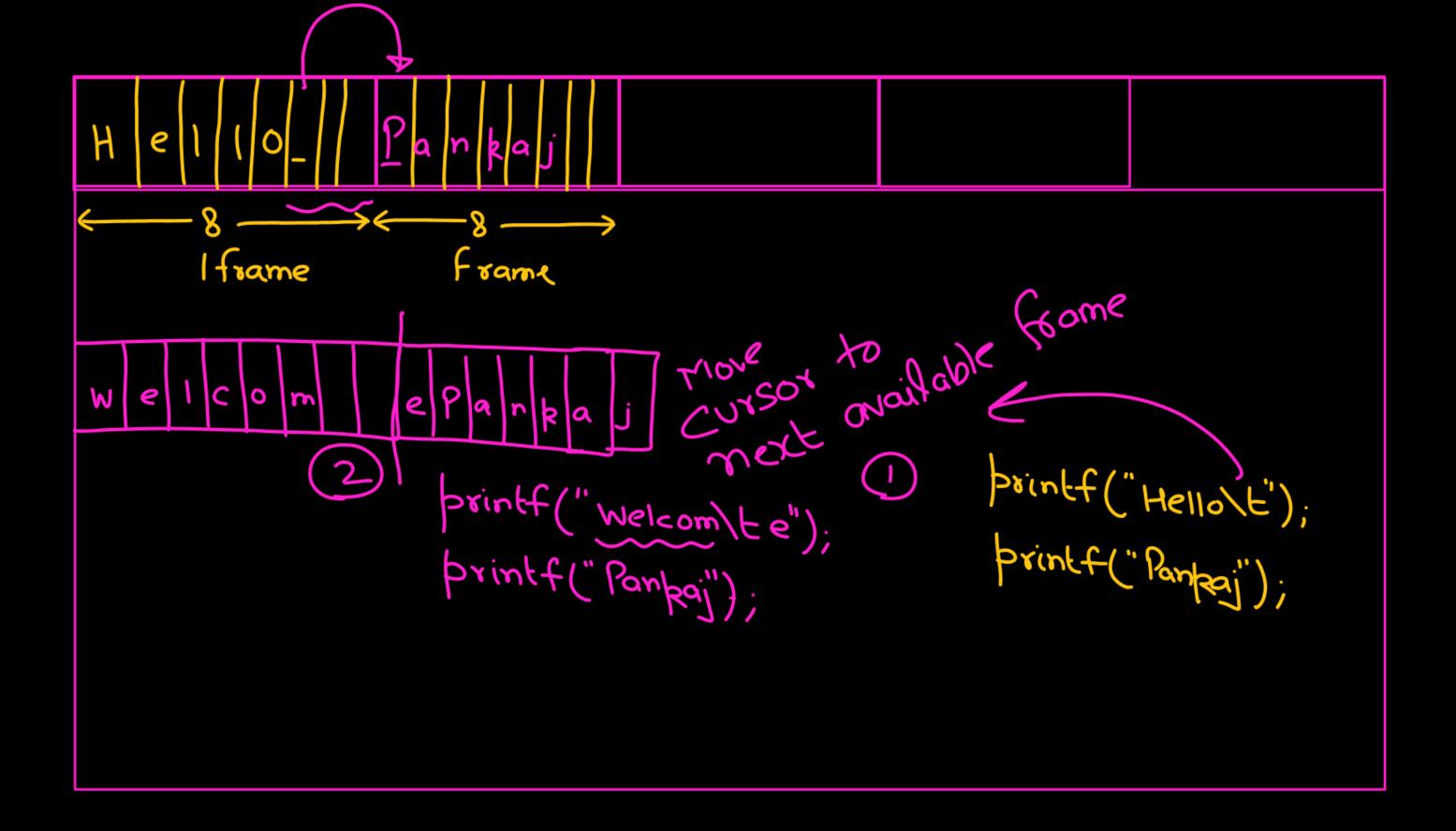
1)
$$last = n/.10;$$
 5

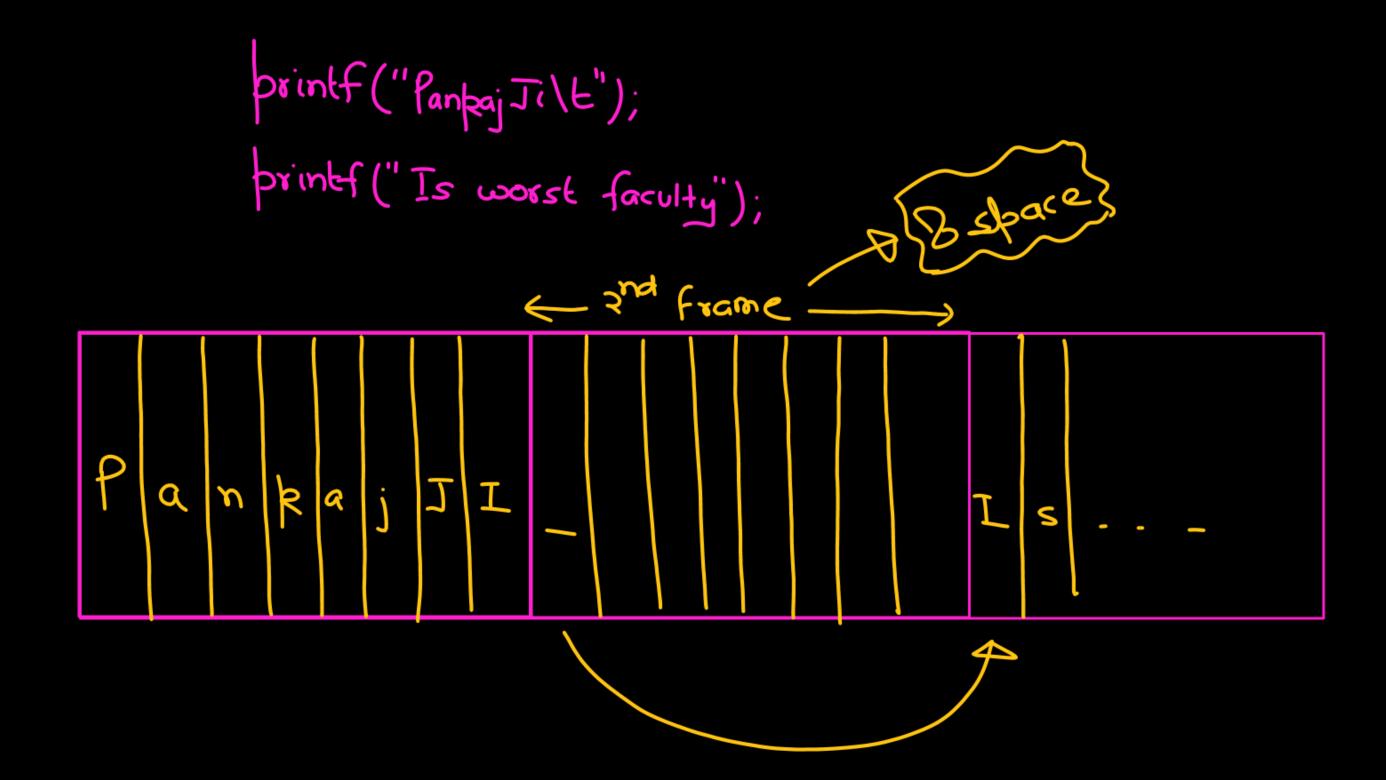
Abtakkarevne Abtakkareverse X 10 + last;

decimal

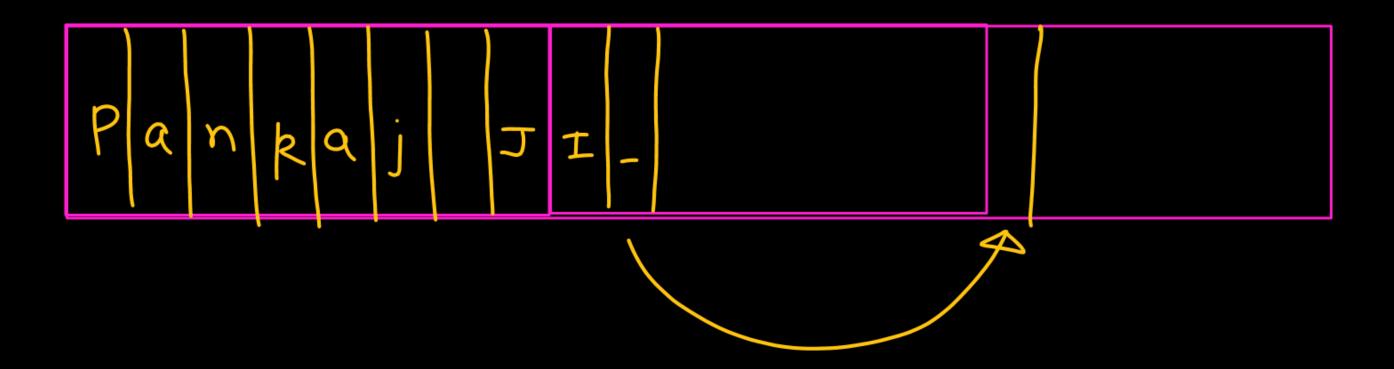
$$\sim \sum_{\chi}$$

> 10 x old + sym





Pankaj JI 1E



Jook Jook 12345

for (x=1; x<=4; x++) 12345 V 12345 V 12345 V 12345 V for (i=1; i<=5; i++)

{

printing -
3

1 1 2 3 4 1 2 3 4 4 5 5 1 2 3 4 5

```
12345
for (Row=1; Row<=5; Row++)
     for(col = 1; cal < = ; col + +)
```

```
CO
Row
       col
                     tor (Row=1; Row=5; Row+1) Row
\alpha
3
                          for (col=1; col<= row; col++)
4
       1,2,3,4,5
                                    printf ("/d", cal);
```

345

Row col tor (Row=1; Row=5; Row+1) Row 8 tor (cal=1; cal<= row; cal++) printf ("/d", cal); Row cod

```
12345
                     Row
                           caf
Row
     cal last
                          1,2,3,4,5
              6
                                               23
                          1,2,3,4
2
       4
                     3
                          1,2,3
3
                          1,2
       M
 4
                  for (Row=1; Row <=5; Row+) 3 min = code
                       for ((al=1; col <=6- Row; cal ++)
```

12345 for (Row=1; Row <=5; Row++) for ((a) = 1; col <= 6- Row; cal ++) $\mathfrak{d} \Rightarrow (\mathfrak{d}+1)-R\omega$ printf("/d", col); >rintf("/n");

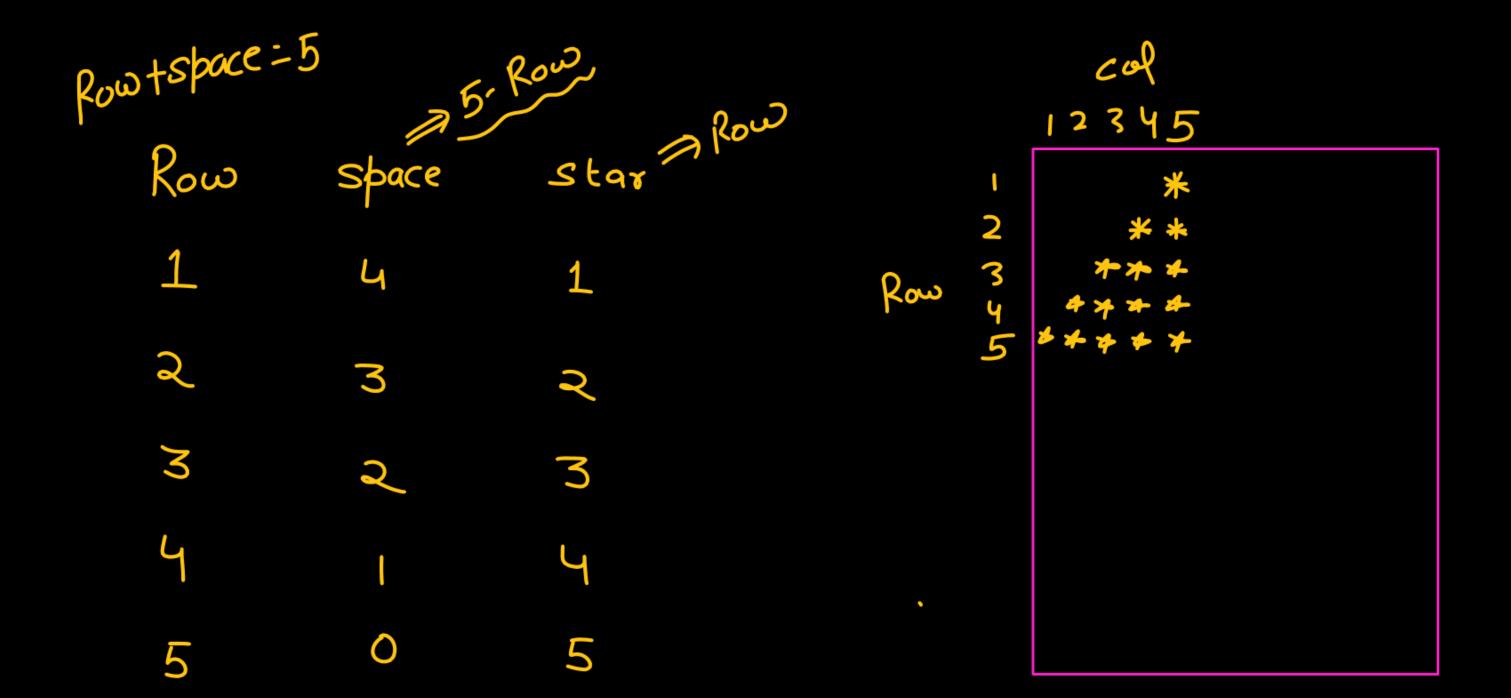
3 min 0 > code

7

C09 space 12345 Row 1 Row 2 Row Row3 Rowy Row5 * 4 4 4 4 Every Row Some space pointed Some & Annted

for (Row=1; Row <= 5; Row+1) 1. Code to point spaces 2. Code to point stor 3. Newline & Some space Every Row

C09



```
for (Row=1; Row <= 5; Row++)
           for (space = 1; space <= 5-Row; space++)
                      printf(" ");
          for (stor = 1; stor (= Row; startt)
```

for (Row = 1; Row <= 4; Row++) Rowtspace 4 Row space for (space=1; space <= 4-Row; Maths. pointf(" "); Stort+) ROD Star printf("x"); 2×Rowbrintf("\h");

n= 6 n=5 123 45 for (al=1; cal <=i; cal ++)for (Row=1; Row=n; Row++)



