# CS & IT ENGINERING

'C' Programming

**Pre Processor Directives** 



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## **Recap of Previous Lecture**











- File Inclusion Directive
- Macro Substitution\*



## **Topics to be Covered**











- Miscelleneous Directives











#define 
$$\times$$
 4+5#2

#define  $\times$  4+5#2

#define  $\times$  8+4\*5

Void main()

{

Printf("./.d",  $\times$  +  $\times$  -  $\times$  -  $\times$  +  $\times$  +  $\times$  +  $\times$  -  $\times$  +  $\times$  -  $\times$  +  $\times$  -  $\times$  +  $\times$  -  $\times$  -  $\times$  +  $\times$  -  $\times$  -



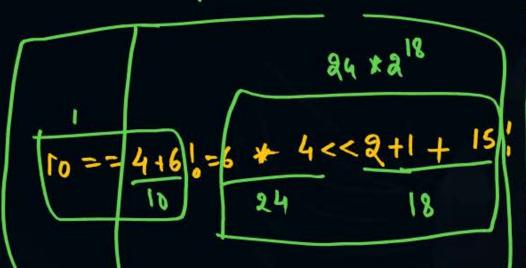


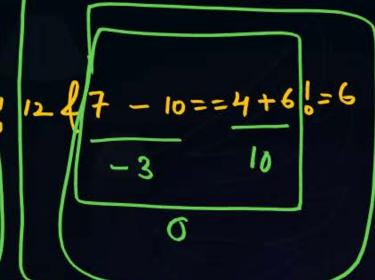
```
Ex:3
  # define X Printf ("GATEEXAM")
                                                                  OP: C LANGUAGE 10
  #define / 7<5+2
  #define Z Printf("/d\n", Printf("C LANGUAGE"));
                                                                     GATEEXAM
      Void main ( )
                                            i Value =
      1= X+ Y * Z; 1=0
                                    15
                           2= Rinty ("GraTEEXAM") + 7 < 5+2 * Printy ("/d", Printy ("C LANGUAGE"));
      Printf (" -/-1", ");
                                 2*3=6
                                          $t6=11
                                 8+7=15 15<11 => 0
```



Void main ( )









0





# define 
$$x = 5+3$$
 / Marro is a Constant

Void main ()

int 2;

// Cannot Modify  $x = x * x;$ 
 $x = 5+3 * 5+3$ 
 $x = 25 * 23$ 

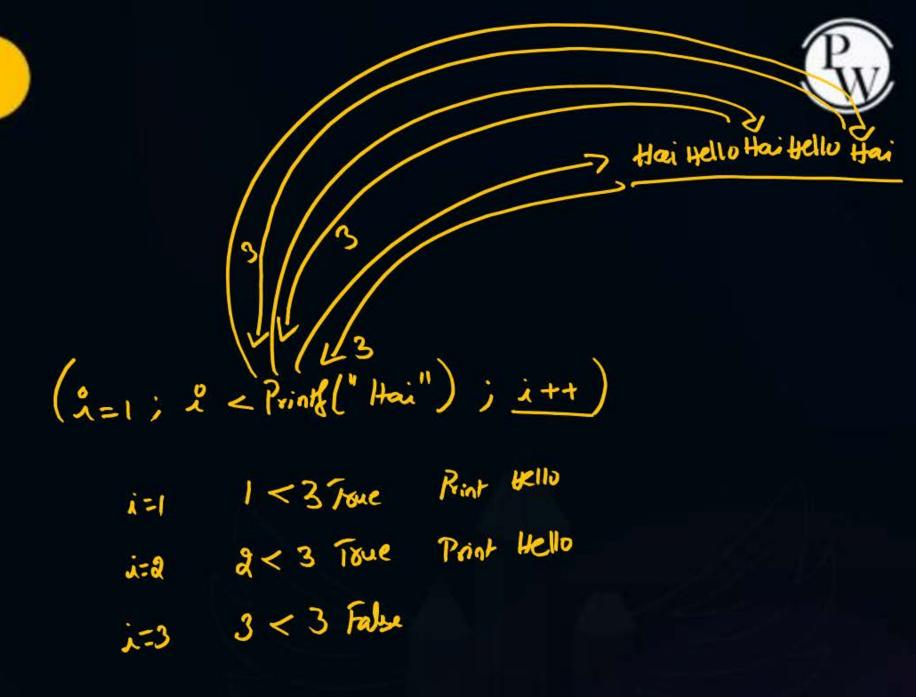
Printf (" /-1", 2);

opp: 129



```
#define x Printf ("Hai")
  Void main( )
 for(2=1; 2 < x; i++)
     Printf (" Hello");
```

OP: Hai Hello Hai Hello Hai







## Conditional Compilation\*



### 2 mins Summary



- Macro Substitutions
- List of Conditional Compilation Directives

To be Contd...





## THANK - YOU