## CS & IT ENGINEERING

Programming in C
Doubts

(In One Shot)



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TOPICS TO BE COVERED

**Problem Solving** 

size of operator

- + unary operator: I operand
- \* return type: unsigned int
- \* Compile time

size of (operand)

literal/constant variable Empression data type

charing Azbyte
charing
Address
Address

int 1=3; printf("/u" sizeof(s)); pointf("/u", sizeof(i)); 4 Drintf("/u", sizeof(i+3)); 4 int + int = int brinff("/u", sizeof(int)); 4

bf ("/d", sizeof ('A')); 4

bf ("/d", sizeof (10+1); 4

bf ("/d", sizeof (12.38));

Char ch = 'A'; bf("/d", sizeof(ch)); bf("/d", sizeof('A'+10)),

ore treated as double value

```
Char *P;
float *q;
int * 8 ;
pf ("/d", sizeof (P));
                                   ) f ("/d", sizeof (*p));
                        Same
>f("/d", size of (9/));
                                   of ("/d, sizeof(+q));
                                   of ("/d", size of (*r));
pf("./d", sizeof(x));
```

int \*\* p, + + + 9; "/y" '/d" Sizeof (P) Address size of (+p) 5 ize of ( \* \* P) sizeof(q) size of integer THAMICSS size of (\*q) sizeof(\*\*19) sizeof(\*\*\*)

.

Pisa Bointer/to a 2-Darray of integer int (\*P)[2][3]; A Address sizeof (P) size of (TP) int (4p)[2][3] 4P int [2][3] \*\*P => int [3]

sizeof (79P)

Sizeof(\* P[0]) sizeof (7 PCI)

2 compile time int i = 2; printf ("/d", size of (++i)); 4 printf("/d",i); 2 4242 int i = 2; >f("/d", sigrof(i++)); 4 pf("/d", i);

brintf ("/d", sizeof (printf ("Hello"));

bf ("/d", sizeof (int)); suntime

0/p:4

# include < stdio ho Void main () {

int i;

i = isq(s);

bf("/d",i);

}

#define  $SQ(x) \times *x$ #include<stdio.h.

void main() {

int i;

i = SQ(s+2);

pf(".i.d",i);

}

Processing

void main(){

int i;  $i = 5 + 2 \times 5 + 2$ ; f("/d", i); f("/d", i);

data type & operator short notes (i) Cyclic property

(ii) Operator Pri

9 Asso } Short-ckt eval (i) if-else if (condition/empression) b) else must be immediately after if scope end. (ii) for (exple; exp2/e; exp3/e) explisabsiques scope - first semicolon (by default) U

1) + 21 420T & - imp

2) + 21 01ET 420T & - Most imp.

Review: C Programming feedback



