address as meant by virtual Address? address generated by & operator in the first address which was allocated m the for that variable. Es chair rch = A'; 8ch -> 100 virtual ad dres) of fredict the output of below code snippet # include < stdio. h> 108 112 116 120 124 int main () int arr[6] = {10,20,303; 11 lonsider base addres of arr on int no = 2; prints ("0/001", arr[0]); +1> 10 printf (god", arr [no]); print (" ded", . arr [3-1]); printf (" dod ", arr); printf ("dod", arr+1); printf ("olod", (&arr)+1); privot ("dod", arr+3); printf ("olod", & Carr [3]); - 112 printf ("olod", arr(4]); print (" olod", & (arr[5])); -----return 0;

(3) What is the use of . & (Address of) operator?

My '&' operator is used to tetch address of any data
object. The address generated by &' operator
is the virtual address allocated for thatroxiable.

Q4] Predict output #incudecadio.h) int main () 11 consider address of no as 100 double no=3.14; ofq -11double #a = Eno; -11double*b = &a; 11 01.5 95 360 of c Q5 400 double***c = &b; _ 11_ 11 of d double ** * d = & C; 1 500 -11printf (" Hod 11, (no); 100 printf("dod"; a); 100 print ("ol.d", &c); 400 print (" olod", &d); 500 prints ("01.0 " 1.d); 400 print ("do d", **d); 200 printf ("olod", ** c); 100 print ("dod", \$6); 100 3.14 SO 108 100 208 200

d 400 408

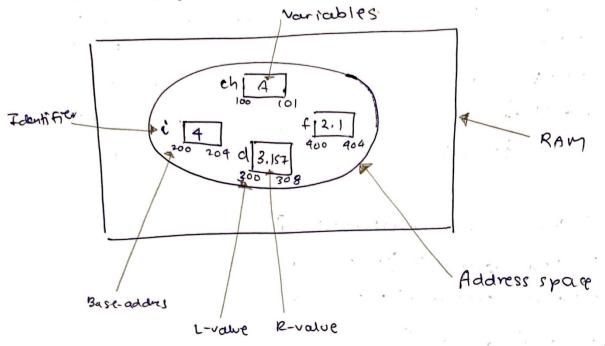
200

308

pippedict we output of the following pindode < stdio. h) int main () double no= 3.14 11 Consider address of no double *a = &no; double ** b = &a; double *** c= & b; duble *** d = &c; d as printf (olod", Sizeof (no)); 11> 8 print("a.d", size of (a)); # > 8 Mudf (" olod", size of (b); -+> 8 print (" of od", = 1200 f (c)); ->> 8 bringt (noted is " siseot (9)); -> 8. printf ("olod", size of (**d)); -> == 8 printf ("%d", sizeof (****d)); -> == 8 print (Nod" , Sizeof (* a)); ---> 8 brintt (, alod, ' sistot (***()). -> print+ (" a) = d", sizeo+ (**c)); -> 8 HOUSEN O;

mark a

And the range of virtual address that operating system assigns to a program is called address space.



Q7] What is the use of Next instruction member of Stack frame?

as] what is meant by linkage of Storage class?

pedict output # include <stdio, h> int main () mar ch = 'A'; addres of the as Consider as char * p= &ch; 200 11 char ** q = &p; ag 11 ag 400 char **x = &p; -11-// y as 500 char they *y= 8ch printf (" olod", & ch); -#> print(0/0 d", p); -100 pointf ("ofod" &p); 300 printf (~90d", & q); parint ((0/0 d), .d); printf (" 10 c", * * q); - > A printf (" o/od", * q); -> 100 roborn 0; 100 500

The state of the state of

Olo] Predict the output

include < stdio.ns

int moun ()

int arr[] = f 10,20,30,40,503; " (milde base address)

as 100

nt to = arr; // consider address of pas 200

brint (, aloq, 's seet (4, b)); -> 4

brint (, aloq, 's seet (4, b)); -> 100

brint (, aloq, 's seet (all); -> 100

