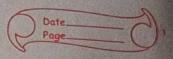
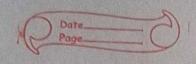


Lyax	C_114 - Uniono in C
	alth la unique multiplime de
*	Union is also a nour defined data type
lil	a structures.
	Marian
	Everything like declaration, initialization accessing of members using objects as in structures for unions
of of	accessing of members uping objects
901	same as in structures for unions
alor	1 (CAN 4 And) mainon
	1 1000 2 12 10 10 10 10 10 10 10 10 10 10 10 10 10
×	But only difference is memory allocation
and	December with them have
	- bylavollo
	In structure for each structure member
wi	its different datations will allocate members.
SU	resably control data types will allocate members.
	Ex:- struct deno?
11/ 100	1000 (0.0) (int raise)) floor
	Chan by (1) (1)
	() float (;)") hum
	3
	void mais()
LAL	altinuver a glob of page x
	struct deno 5= (1), a', 14.03;
the sead	nount (" /d /-c // ", osa, s.b, s.c);
	3 milay
	4 bytes 1 by to 4 by tes
	La como A a como A como
	S 100 104 PS
	100
	1 900 aminu we we will the
*	Memory is allocated as 4+1+4 => 9 bytes.
/1	The state of the s



		4
	* In union; memory is a	located based
	on the marinum number	0 1-1 1
144.0	which have manumum men	non allaston.
	, 01	Liller Bill
2.154	En:	Memory allocation
A TOWN	Union demo	White of John
min	the many wenterm 19	4 bytes
marin	The state of the s	MINX 97 9.2000
4 00	TOUR TOURS	111
with	the Hoytis > float E;	a b c.
	Lord market	Monly 4 bytes of
		www wo
chlas	d'addo livion demo vi	allorated.
antana	U. a = 1 . d d d d d d d d d d d d d d d d d d	tought at &
	U.D = '97', U.C = 9.0'	MILLIO MILL
	prints (" to a= 11d's	(). (): => (non).
	poriot (v b = x. C", v.)	D: = apple value
	pount (" C= y, g", b.	9.2000
		, , , , , , , , , , , , , , , , , , , ,
	* since the said	YAV
- 1	what Walke Zum data is	overwritten and
(C), 20d	value sexiat esta una la	ot, only that
	that value we put la value exist others will value.	have garbage
	ands the state	0 0
	* This man in the order of	
	nowadays us down	of Union; so
	* This is the drawback newadays we don't	use unions.
	& But why we	(oor)
	have this on 5 to not me	mons, if we
T PSIGNATURE	Have I me a b to made me	where of notification



and at one time we want to process only one number of structure; it will leads to wastage of memory because of other members, but this on be done in union without wastage of memory. At In union we can priouse only one et memory. but drawback is ar Cent process as the members of a structure urion at one time. which are some as structures. En: union abc int a; 4 bytes Chan b; 100 100 97 1000 ntn void main () union abc v; union abc (*pts) = &v; U.b= 97; U.C = 78.90; pountf (" a value is /d", ptr > a); pourt (" c value is /-(", pto >b).

```
#include <stdio.h>
 2
      #include <stdlib.h>
3
     /** 15-UNION IN C **/
 4
     union student
 5
 6
      int a;
 7
      char b:
 8
      float c;
9
10
     union student u;
11
     int main()
12
    □ {
13
       union student (*ptr)=&u;
14
       printf("Enter values of a b and c\n");
       scanf("%d %s %f", &(*ptr).a, &(*ptr).b, &(*ptr).c);
15
       printf("Entered values of a b and c are:\n");
16
17
       printf("%d\n",ptr->a);
       printf("%s\n",(*ptr).b);
18
       printf("%0.2f\n",(*ptr).c);
19
20
21
       getch();
22
```

```
"D:\1. C C++NOTEBOOK\C LANGUAGE\C PROGRAMS\PART 5_Jennys Lectures\PART 8_JENNYS LECTURE_STRUCTURES\15_UNI... — X

Enter values of a b and c

1

c

99

Entered values of a b and c are:
1120272384

(null)
99.00
```

```
#include <stdio.h>
1
2
     #include <stdlib.h>
3
      /** 15-UNION IN C (1) **/
4
     union student
 5
 6
      int rollno;
7
      char name[20];
8
      float marks;
9
10
     union student s;
11
     int main()
12
13
       union student (*ptr)=&s;
14
       printf("Enter student details\n");
15
       scanf("%d %s %f",&(*ptr).rollno,&(*ptr).name,&(*ptr).marks);
       printf("Entered values of students are:\n");
16
17
       printf("%d\n",ptr->rollno);
       printf("%s\n", (*ptr).name);
18
       printf("%0.2f\n", (*ptr).marks);
19
20
21
       getch();
22
23
```

```
"D:\1. C C++NOTEBOOK\C LANGUAGE\C PROGRAMS\PART 5_Jennys Lectures\PART 8_JENNYS LECTURE_STRUCTURES\15_UNI... — X

Enter student details
1
1
98.00
```