Practical No. 15

Date:

Aim: Write and execute one simple program each using structure and union Theory: Structure: Structure is a user-defined data type in C which allows us to combine data of different types together. Structure helps to construct a complex data type which is more meaningful It is somewhat similar to an Away, but an away holds date of similar type only. But structure on the other hand, can store data of any type. Syntax: Struct [Structure tag] 5 member variable 1; member variable 2: 3 [Structure variables]: Union: A union is a special date type available in C that allows to store different data types in the same memory location You can define a union with many members, but only one member can contain a value at any given time. Unions provide as an efficient way of using the same memority location for multipurpose. Syntax: Hypoto union Lunion tog 7 & member definition; Shree Radhe

member definition;

the stilly : miA D:\coding\C\practicals\practicalFifteen\15.1.exe Enter your name : Pratyay Enter your age : 17 : prosett Enter your salary : 150000 Employee details : : Pratyay Age : 17 Salary: 150000 merches variable D:\coding\C\practicals\practicalFifteen\15.2.exe Size of the union : 20 : noint o se se se date tips available in a triat allows tis state different data types in the same memory laration Now can no to thiroug mounts. sont nevip une to sule o diatnos

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3 [Union Variables];
           Code:
                Structure:
                      #include <gtdio.h >
                         int main () {
                       struct employees &
                         chase name [20];
                        int age;
                       int salary;
                       3 3 e1,e2;
                         printf ("Enter your name: ");
                         Scanf (" 1.5", e1. name);
                        printf (" Enter your age:");
                         Scanf (" 1.d", der.age);
                         printf (" Enter your salary: ");
                         Scanf (" 1. d", Get , Salay);
                printf(" In --- In Employee details In --- In Name: 1.5 In Age:
                     · /· d \n Salary: · /· d \n', e1 name, e1 age, e1. salary);
Shree Radhe
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	Union:
	#include < Statio.h >
	int main () {
economica distribución como como economica se escolo de economica como como economica de economica de economica	
	union example {
	int age;
	Float weight;
	chare a [20];
	?;
	3
	printf ("Size of the union: 1.d", Sizeof (example));
	g prime (Size or " Onion: 1-a, Sizeot (example))
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