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| **Week 7 Task** | **Title: User Defined Data Types and Variables** |
| **Name and Student ID** |  |

**Tutorial Task(s)**

1. Differentiate between structure and union?
2. What is a member?
3. How structure different from array?
4. What are member, tag and variable name in structure and what purpose do they serve?
5. Difference between structure tag and structure instance?
6. Why can’t structures be compared?
7. How can two structures be compared?
8. Why do structures get padded?
9. Explain the relationship of structure and pointer?
10. Explain the relationship of structure and function?
11. Define ENUMERATION TYPES?
12. What will be the output?

struct

{

int I;

float f;

};

int main()

{

int i=5;

float f= 9.76723;

printf(“%d %.2f “, I, f);

return(0)

}

Practice!!

Declare a structure to store the following information of an employee:

* Employee code
* Employee name
* Salary
* Department number
* Date of joint ( it itself a structure consisting of date, month and year)

Write a c program to store the data of ‘n’ employees where n is given by the user ( use dynamic memory allocation). Include a menu that will allow user to select any of the following features:

1. Use a function to display employee information getting the maximum and minimum salary
2. Use a function to display employee records in ascending order according to their salary
3. Use a function to display the employee records in ascending order to their date of join
4. Use the function to display the department wise employee records