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COSC 430

Week 11 Assignment

#include <stdio.h>

#include <stdlib.h>

//Declaring Employee structure

struct Employee

{

char firstname[20];

char lastname[20];

double salary;

};

int main()

{

typedef struct Employee Employee;

Employee EmployeeArr1[100]; //Declaring an array of Employee structure

Employee\* EmployeeArr2;

printf("Size of Employee structure is %lu\n",sizeof(Employee));

EmployeeArr2=(Employee\*)malloc(200\*sizeof(Employee)); //Creating dynamic array of Employee structure

printf("Size of EmployeeArr1 array is %lu\n",sizeof(EmployeeArr1));

printf("Size of EmployeeArr2 array is %lu\n",200\*sizeof(\*EmployeeArr2));

printf("Address of EmployeeArr1[0] is %p\n",&EmployeeArr1[0]);

printf("Address of EmployeeArr1[99] is %p\n",&EmployeeArr1[99]);

printf("Address of EmployeeArr2[0] is %p\n",&EmployeeArr2[0]);

printf("Address of EmployeeArr2[99] is %p",&EmployeeArr2[99]);

return 0;

}

