**Create a C program with the following capability.**

1. **Define a structure named as Employee with the following items:**
   1. **First name – may be up to 20 chars. Use array of chars.**
   2. **Last name – may be up to 20 chars. Use array of chars.**
   3. **Salary – double variable.**
2. **Create an array of Employee structure for storing data for up to 100 employees. Name the array as *EmployeeArr1*.**
3. **Find out the size (in terms of number of bytes) of *Employee* structure and print it.**
4. **Find out the size (in terms of number of bytes) of *EmployeeArr1* array and print it.**
5. **Dynamically create by using malloc() an array of Employee structure for storing data for up to 200 employees. Name the array as *EmployeeArr2*.**
6. **Find out the size (in terms of number of bytes) of *EmployeeArr2* array and print it.**
7. **Find out the address of EmployeeArr1[0] – you have to use a format string of “%p” inside printf function to print an address.**
8. **Find out the address of EmployeeArr1[99] and print it.**
9. **Find out the address of EmployeeArr2[0] and EmployeeArr2[99] and print them.**

**Your output should look like following:**

**Size of Employee structure is ???**

**Size of EmployeeArr1 array is ???**

**Size of EmployeeArr2 array is ???**

**Address of EmployeeArr1[0] is ??????**

**Address of EmployeeArr1[99] is ??????**

**Address of EmployeeArr2[0] is ??????**

**Address of EmployeeArr2[99] is ??????**

**Code:**

#include <stdio.h>

#include <stdlib.h>

struct Employee {

char first\_name[20];

char last\_name[20];

double salary;

};

int main() {

struct Employee EmployeeArr1[100];

struct Employee \*EmployeeArr2 = malloc(200 \* sizeof(struct Employee));

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

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

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

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

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

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

printf("Address of EmployeeArr2[99] is %p.\n", (void \*)&EmployeeArr2[99]);

free(EmployeeArr2);

return 0;

}

**Output:**

A screen shot of a computer screen

Description automatically generated with low confidence