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Program

#### Problem Statement:-

Suppose ABC is a private limited company which manages the employee records of other companies. Employee id can be of any length, and it can contain any character. The following are the task you have to perform for three employees.

* Take the length of an employee id as an input and store it in an integer length variable
* Take an employee id as an input and display it on the screen.
* Save the employee id in a character array, which is allocated dynamically.
* Create only one character array dynamically.

#include <stdio.h>

#include <stdlib.h>

int main()

{

    int characters, i = 0;

    char \*ptr;

    while (i < 3)

    {

        printf("Employ %d; Enter the number of Characters you had in your Employ Id: ", i + 1);

        scanf("%d", &characters);

        ptr = (char \*)malloc(characters + 1 \* sizeof(char));

        printf("Enter your Employ Id: \n");

        scanf("%s", ptr);

        printf("Employ %d Id is: %s \n", i + 1, ptr);

        free(ptr);

        i = i + 1;

    }

    return 0;

}

Output1:

Employ 1; Enter the number of Characters you had in your Employ Id: 1m1m2

Enter your Employ Id:

Employ 1 Id is: m1m2

Employ 2; Enter the number of Characters you had in your Employ Id: mami3

Enter your Employ Id:

Employ 2 Id is: mami3

Employ 3; Enter the number of Characters you had in your Employ Id: ak;l4

Enter your Employ Id:

Employ 3 Id is: ak;l4