

# Test 3A: Programming

Due

No due date

Points

10

Questions

1

Available

Apr 7 at 7pm - Apr 7 at 8pm about 1 hour

Time Limit

25 Minutes

## Instructions

Write the code of the functions based on the given specifications. Full points are given to functions written efficiently. In each of the function, there should only be one (1) return statement ONLY and conditions in the iteration and alternation statements should be a relational expression.

Preformat your code. Highlight code, Under Paragraph press Preformatted.  
Example:  

```
printf("\nHello World");
```

This quiz was locked Apr 7 at 8pm.

## Attempt History

	Attempt	Time	Score
LATEST	<a href="#">Attempt 1</a>	17 minutes	0 out of 10

⚠️ Correct answers are hidden.

Score for this quiz: 0 out of 10  
Submitted Apr 7 at 7:44pm  
This attempt took 17 minutes.

Question 1

0 / 10 pts

Given the datatype definition of a list of person records:

#define Max 60	/*Complete name with, Firstname,	typedef struct stud {
typedef struct Addr {	Middle Initial and Lastname */	int no;

<pre>int HouseNum; char StreetName[20]; char Barrio[20]; char City[15]; int ZipCode; }Address;</pre>	<pre>typedef struct name{ char Fname[24]; char MI; char Lname[16]; }Nametype;</pre>	<pre>int ID; Nametype pName; int age; char gender; /* 'F', 'M' */ Address Addr; float salary; /*monthly salary*/ }PersonRec;</pre>
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The function will create a new person list containing all the male person records whose monthly salary is at most P45,500, found in the given person list. The newly created list will be returned to the calling function. Write the code of the function.

Preformat your code.



Your Answer:

```
PersonRec* newMaleList (PersonRec var[]){
    PersonRec* newList[] = malloc(sizeof(PersonRec));
    int x;
    while (x != '\0'){
        if(strcmp(var[x].gender, 'M') == 0 && var[x].salary >= 45500){
            newList[x] = var[x].gender;
            newList[x] = var[x].salary;
            x++;
        }else{
            x++;
        }
    }
    return newList;
}
```

why is the condition `!= '\0'`? that indicates an end of a line for a string. and `x` is an integer not a character, meaning you are checking the ASCII value of `'\0'` which is 0. `gender` is a character not a string, you don't have to use `strcmp`.

Quiz Score: **0** out of 10