# Function Parameter Passing and Return Assignments

**Mandatory**

1. Refer the code below and find the issue.

#include<stdio.h>

int \*func(void);

int main()

{

int num,\*ptr = NULL;

ptr = (int \*)func();

num = \*ptr;

return 1;

}

int \*func()

{

int local;

local = 10;

return(&local);

}

**In above code is there a way(s) to return local variable address to called**

A: By using the static keyword we can return local variable. As the variable stored throughout the process

1. Write a program with a function ***read\_extract\_characters()*** to read a string (of max length 50 characters) from user, extract the characters at odd indices, store in an other array and return to the call. Caller should be able to read and display the extracted string.

[Note : do not return a local variable in function to caller]

