```
char myString[] = "Hello";
myString
                        'e'
 myString
                        'e'
                                                  '\0'
myString
            Main memory
                                     Code snippet
                 Stack
                                    1 char* pStr = "Wow";
            address of char
                 Heap
           Const + Global Variables
                  '0'
                 '\0'
                 Code
            Main memory
                                     Code snippet
                 Stack
                                    1 char* pStr = "Wow";
      pStr
             address of char
                                     pStr = "Cat";
                 Heap
           Const + Global Variables
                 '\0'
                  '\0'
                 Code
                                     Code snippet
             Main memory
                 Stack
                              3 (1) char* pStr = "Wow";
             address of char
       pStr
    str[0]
                  'I'
                                    2 char str[] = "It";
     str[2]
                  '\0'
                                     \bigcirc pStr = str;
                 Heap
           Const + Global Variables
                  '0'
                  '\0'
                 Code
             Main memory
                                      Code snippet
                 Stack
       pStr
             address of char
                                        char* pStr = "Wow";
     str[0]
     str[1]
                                        char str[] = "It";
     str[2]
                  '\0'
                                        pStr = str;
                                    1 pStr[1] = 's';
                                     2 str[0] = 'i';
                 Heap
           Const + Global Variables
                  '\0'
                 Code
                      char str[] = "Hello";
                                                                 prints characters from
                      printf("%s\n", str); \rightarrow str[0] to the character before '\0'
          %s: format specifier for strings,
                                           str is the array identifier,
          and it requires a pointer to the
                                           and a pointer to the first
            first charcater in the string.
                                            character in the string
                      char st[10];
                      scanf("%s", st);
                               Why not &st?
                     st is the array identifier and also a
                       pointer to the first element in the
                        array. Hence, st is already an
                                  address.
```

double quotes

size definition unnecessary

}

return 0;