

```

typedef struct Len32String {
    char contents[32];
} Len32String;

Len32String return_struct() {
    Len32String str_struct = {"some string content" };
    return str_struct;
}

char* return_array() {
    char str[] = "some string content";
    return str;
}

void example2() {
    char* from_array1 = return_array();
    printf("from_array1:\t%p\n", from_array1);
    char* from_array2 = return_array();
    printf("from_array2:\t%p\n", from_array2);

    Len32String from_struct1 = return_struct();
    printf("from_struct1:\t%p\n", from_struct1.contents);
    Len32String from_struct2 = return_struct();
    printf("from_struct2:\t%p\n", from_struct2.contents);
}

```

```

typedef struct {
    double x, y;
} Point;

void print_point(Point* p) {
    printf("(%d, %d)\n", _____, _____);
}

int main() {
    Point p = { 4.0, 5.0 };
    print_point(_____);
    printf("(%d, %d)\n", _____, _____);
}

```

```

> python3
Python 3.13.7
>>> x = "hello"
>>> y = " class"
>>> x + y
'hello class'
>>> x
'hello'
>>> y
' class'
>>> fruit = "apple,banana,cranberry"
>>> fruit.split(",")
['apple', 'banana', 'cranberry']

> jshell
| Welcome to JShell -- Version 24.0.1
| For an introduction type: /help intro

jshell> String x = "hello", y = " class";
x ==> "hello"
y ==> " class"

jshell> x + y
$3 ==> "hello class"

jshell> String fruit = "apple,banana,cranberry";
fruit ==> "apple,banana,cranberry"

jshell> fruit.split(",")
$5 ==> String[3] { "apple", "banana", "cranberry" }

```

<https://github.com/python/cpython/blob/main/Include/cpython/unicodeobject.h#L166>

```

typedef struct {
    PyASCIIObject _base;
    Py_ssize_t utf8_length; /* Number of bytes in utf8, excluding the
                           * terminating \0. */
    char *utf8; /* UTF-8 representation (null-terminated). */
} PyCompactUnicodeObject;

```