

## Lab 4.5.1 String in functions: IP numbers

### Objectives

Familiarize the student with:

- using strings as function parameters;
- using string methods to check the content of strings.

### Scenario

Write a function to check a string parameter that contains an IP address – return the string with information about whether the address is correct or not. Here are some possible return strings:

- Correct IP;
- Too many characters in a part;
- Too many parts;
- Only digits and dots allowed;
- Too big a value of a part;
- Incorrect parts count.

### Example input

```
1.2.3.4
255.255.255.255
355.255.255.255
1000.255.255.255
ASD.255.255.255
```

### Example output

```
Correct IP
Correct IP
Too big a value of a part
Too many characters in a part
Only digits and dots allowed
```