This is a classical example of language vulnerability.

We need to insert an IP and a Port in order to do something, i.e., reach the flag. In addition, the

app contains a source (see the link): if we open it, we can see a Python code. Let’s copy this

code in local and try to figure it out what it’s doing.

But first, let’s try to see the output of the program. If we insert random values, and we are going

to receive a message that tells that it is mandatory to insert a specific IP and PORT.

So, let’s try to use as an IP 8.8.8.8 and as port 8000.

“The flag has been sent”. What does it mean?

Let’s go and analyze the source. First of all, we need, with patience, to clean the code. After that

we can understand the various if-else statements.

Let’s start with the GET function, where three variables are involved:

● IP : the IP that we provide;

● Port: the port that we provide;

● flag : a string containing (?) the flag.

A dictionary called allowed contains a restriction on the IP number, which must be 8.8.8.8