# Code Flow Diagram and Documentation

## Code Summary

The above code is a simple example of a simple python script that can be used to generate random numbers. It is a simple example of a simple python script that can be used to generate random numbers. It is a simple example of a simple

## Entry Points

if \_\_name\_\_ == '\_\_main\_\_':  
 app.run(port=5002)

send\_message\_to\_queue(data['username'], number)

channel.queue\_declare(queue='random\_number\_queue')

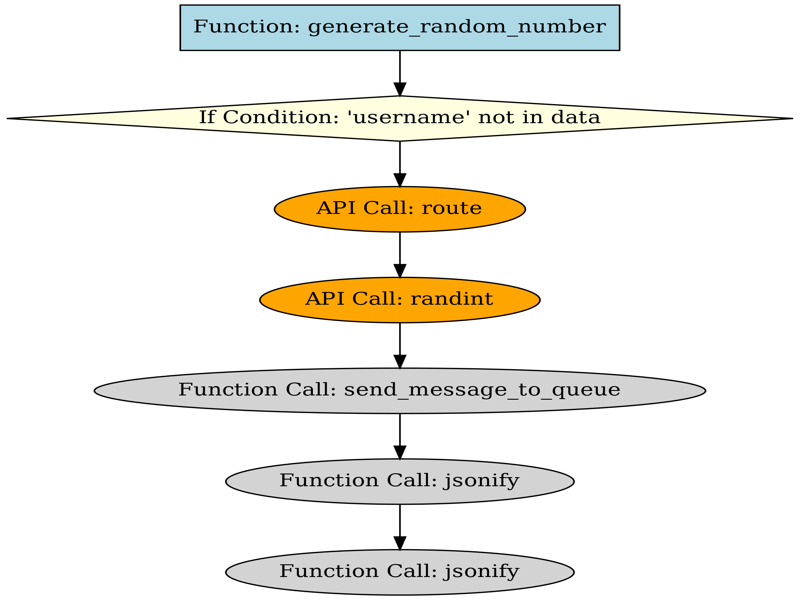
channel.basic\_publish(exchange='', routing\_key='random\_number\_queue', body=message)

connection.close()

app.run(port=5002)

## Functions

### Function: generate\_random\_number



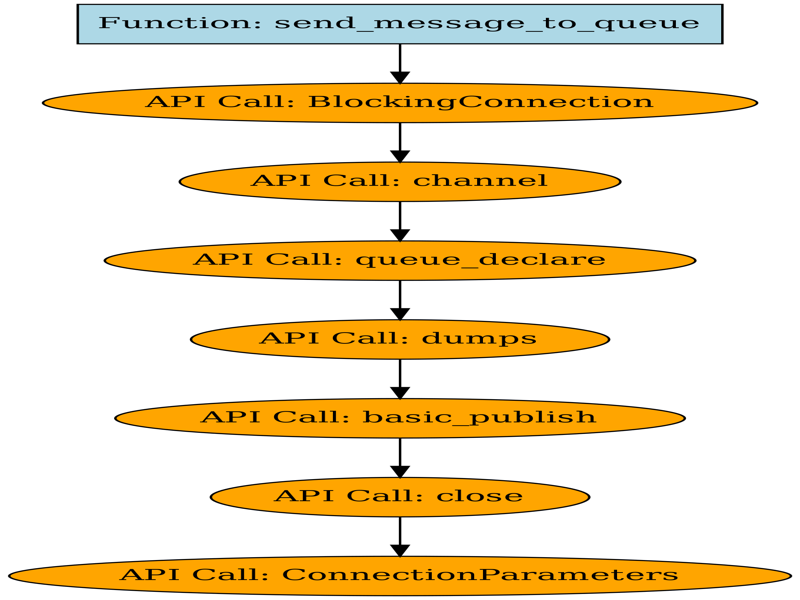
Explanation for function 'generate\_random\_number':

@app.route('/generate', methods=['POST'])  
def generate\_random\_number():  
 data = request.json  
 if 'username' not in data:

Code Block:

Function: generate\_random\_number

### Function: send\_message\_to\_queue



Explanation for function 'send\_message\_to\_queue':

The first line of the code is the basic\_publish function, which is the function that sends the message to the queue. The second line of the code is the queue\_declare function that declares the queue. The third line of

Code Block:

Function: send\_message\_to\_queue