

# Project 1 – Solution



## Project 1

### Task 1

Write a function to define an array of random elements (between 0 ~ 100). The number of elements and their precision should be passed by an argument

```
randomNumber(10,2);                      randomNumber(5,4);
msg.payload : array[10]                   msg.payload : array[5]
▶ [ 47.97, 75.51, 34.37, 38.64, 10.47, 19.69, 10.64, 45.21, 19.81, 95.03 ]
▶ [ 22.1199, 58.5081, 55.1456, 12.6288, 7.7982 ]
```



### Task 2

If no arguments are passed the output should be like the following

```
randomNumber();
msg.payload : array[10]
▶ [ 47.3, 49.9, 21.3, 79.8, 5.7, 36, 89.3, 50.9, 52.2, 71.6 ]
```

[www.codeandcompile.com](http://www.codeandcompile.com)



## Solution

```
var arr = []
```

```
function randomNumbers(length = 10, precision = 1)
{
  for (let index = 0; index < length; index++)
  {
    arr.push(Number((Math.random() * 100).toFixed(precision)));
  }
}
randomNumbers();
msg.payload = arr;
return msg;
```