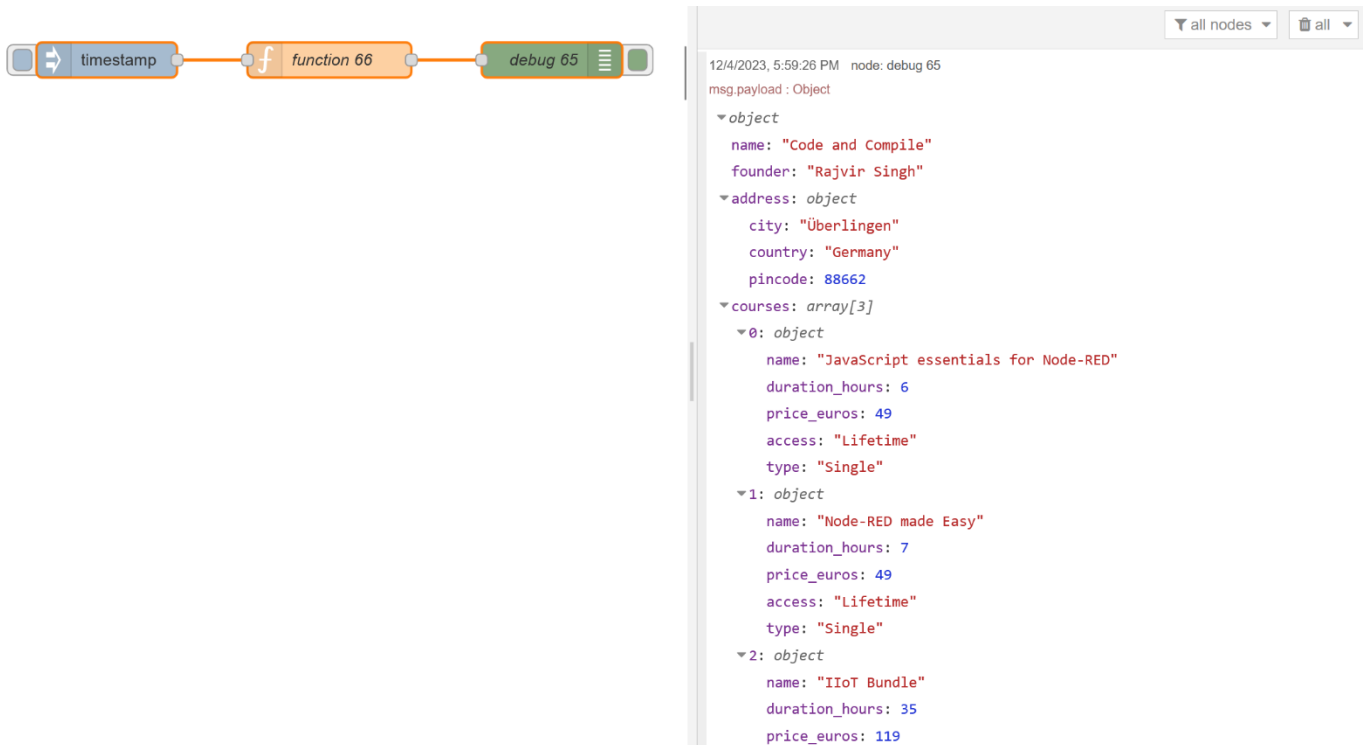


# Tutorial Solution

Feel free to use the tutorial solution code for your reference.



The image shows a Node-RED flow diagram on the left and a debug console on the right. The flow consists of three nodes: a 'timestamp' node, a 'function 66' node, and a 'debug 65' node. The 'function 66' node is connected to the 'timestamp' node, and the 'debug 65' node is connected to the 'function 66' node. The debug console shows the output of the 'function 66' node, which is an object containing the following properties:

```
12/4/2023, 5:59:26 PM node: debug 65
msg.payload : Object
  object
    name: "Code and Compile"
    founder: "Rajvir Singh"
  address: object
    city: "Überlingen"
    country: "Germany"
    pincode: 88662
  courses: array[3]
    0: object
      name: "JavaScript essentials for Node-RED"
      duration_hours: 6
      price_euros: 49
      access: "Lifetime"
      type: "Single"
    1: object
      name: "Node-RED made Easy"
      duration_hours: 7
      price_euros: 49
      access: "Lifetime"
      type: "Single"
    2: object
      name: "IIoT Bundle"
      duration_hours: 35
      price_euros: 119
```

```
[
  {
    "id": "a49c4c321b9a7bd3",
    "type": "inject",
    "z": "562363d4087c92d2",
    "name": "",
    "props": [
      {
        "p": "payload"
      },
      {
        "p": "topic",
```

```
    "vt": "str"
  }
],
"repeat": "",
"crontab": "",
"once": false,
"onceDelay": 0.1,
"topic": "",
"payload": "",
"payloadType": "date",
"x": 140,
"y": 420,
"wires": [
  [
    "0e53060b920b5990"
  ]
]
},
{
  "id": "0e53060b920b5990",
  "type": "function",
  "z": "562363d4087c92d2",
  "name": "function 66",
  "func": "var company = {\n  name : 'Code and Compile',\n  founder : 'Rajvir Singh',\n  address : {\n    city : 'Überlingen',\n    country : 'Germany',\n    pincode : 88662\n  },\n  courses : [\n    {\n      name : 'JavaScript essentials for Node-RED',\n      duration_hours : 6,\n      price_euros : 49,\n      access : 'Lifetime',\n      type : 'Single'\n    },\n    {\n      name: 'Node-RED made Easy',\n      duration_hours: 7,\n      price_euros: 49,\n      access: 'Lifetime',\n      type: 'Single'\n    },\n    {\n      name: 'IoT Bundle',\n      duration_hours: 35,\n
```

```
price_euros: 119,\n      access: 'Lifetime',\n      type: 'Bundle'\n    },\n    yearOfEstablishment : 2018\n  }\n}\nmsg.payload = company;\nreturn msg;
```

```
    "outputs": 1,\n    "timeout": 0,\n    "noerr": 0,\n    "initialize": "",\n    "finalize": "",\n    "libs": [],\n    "x": 330,\n    "y": 420,\n    "wires": [\n      [\n        "e947fecf10149c86"\n      ]\n    ]\n  },\n  {\n    "id": "e947fecf10149c86",\n    "type": "debug",\n    "z": "562363d4087c92d2",\n    "name": "debug 65",\n    "active": true,\n    "tosidebar": true,\n    "console": false,\n    "tostatus": false,\n    "complete": "false",\n    "statusVal": "",\n    "statusType": "auto",
```

```
"x": 520,  
"y": 420,  
"wires": []  
}  
]
```