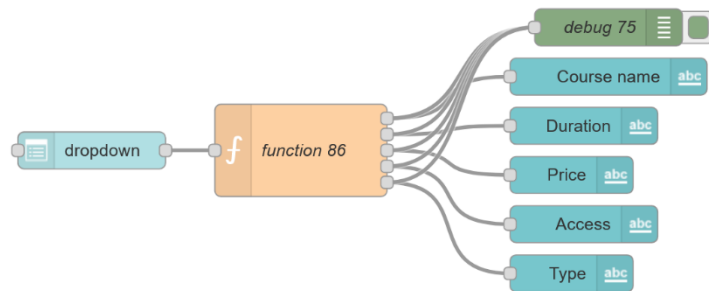


Project 2 - Solution

Feel free to use the project solution for your reference.



```
12/11/2023, 3:09:29 PM node: debug 75
msg : Object
  payload: "ctrlX CORE made Easy", _msgid:
    "8d996348590f9dfb" }

12/11/2023, 3:09:30 PM node: debug 75
msg : Object
  payload: 6, _msgid: "8d996348590f9dfb" }

12/11/2023, 3:09:30 PM node: debug 75
msg : Object
  payload: "Free", _msgid:
    "8d996348590f9dfb" }

12/11/2023, 3:09:30 PM node: debug 75
msg : Object
  payload: "Lifetime", _msgid:
    "8d996348590f9dfb" }

12/11/2023, 3:09:30 PM node: debug 75
msg : Object
  payload: "Single", _msgid:
    "8d996348590f9dfb" }
```

```
[
  {
    "id": "df0a7dfb277da343",
    "type": "ui_text",
    "z": "cfe389f4dd3fdb07",
    "group": "8e4fd05f4c30cdb2",
    "order": 0,
    "width": 0,
    "height": 0,
    "name": "",
    "label": "Course name",
    "format": "",
    "layout": "row-spread",
    "className": "",
    "style": false,
    "font": "",
    "fontSize": 16,
    "color": "#000000",
    "x": 500,
    "y": 300,
    "wires": []
  },
  {
```

```
"id": "fd06c25d66232e3d",
"type": "ui_text",
"z": "cfe389f4dd3fdb07",
"group": "8e4fd05f4c30cdb2",
"order": 0,
"width": 0,
"height": 0,
"name": "",
"label": "Duration",
"format": "",
"layout": "row-spread",
"className": "",
"style": false,
"font": "",
"fontSize": 16,
"color": "#000000",
"x": 480,
"y": 340,
"wires": []
},
{
  "id": "201f478883d5d6cc",
  "type": "ui_text",
  "z": "cfe389f4dd3fdb07",
  "group": "8e4fd05f4c30cdb2",
  "order": 0,
  "width": 0,
  "height": 0,
  "name": "",
  "label": "Price",
  "format": "",
  "layout": "row-spread",
  "className": "",
  "style": false,
  "font": "",
  "fontSize": 16,
  "color": "#000000",
  "x": 470,
  "y": 380,
  "wires": []
},
{
  "id": "c9c3b674551d9fe3",
  "type": "ui_text",
  "z": "cfe389f4dd3fdb07",
  "group": "8e4fd05f4c30cdb2",
  "order": 0,
```

```

    "width": 0,
    "height": 0,
    "name": "",
    "label": "Access",
    "format": "",
    "layout": "row-spread",
    "className": "",
    "style": false,
    "font": "",
    "fontSize": 16,
    "color": "#000000",
    "x": 480,
    "y": 420,
    "wires": []
  },
  {
    "id": "b232738ab9575f4f",
    "type": "ui_text",
    "z": "cfe389f4dd3fdb07",
    "group": "8e4fd05f4c30cdb2",
    "order": 0,
    "width": 0,
    "height": 0,
    "name": "",
    "label": "Type",
    "format": "",
    "layout": "row-spread",
    "className": "",
    "style": false,
    "font": "",
    "fontSize": 16,
    "color": "#000000",
    "x": 470,
    "y": 460,
    "wires": []
  },
  {
    "id": "37e361d8879681ad",
    "type": "function",
    "z": "cfe389f4dd3fdb07",
    "name": "function 86",
    "func": "var company = global.get('company');\nvar msg1 = {};\nvar msg2 = {};\nvar msg3 = {};\nvar msg4 = {};\nvar msg5 = {};\n\nmsg1.payload = company.courses[msg.payload].name;\nmsg2.payload = company.courses[msg.payload].duration_hours;\nmsg3.payload = company.courses[msg.payload].price_euros;\nmsg4.payload =

```

```

company.courses[msg.payload].access;\nmsg5.payload =
company.courses[msg.payload].type;\n\nreturn [msg1,msg2,msg3,msg4,msg5];",
  "outputs": 5,
  "timeout": 0,
  "noerr": 0,
  "initialize": "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: 'IIoT Bundle',\n      duration_hours: 35,\n      price_euros: 119,\n      access:
'Lifetime',\n      type: 'Bundle'\n    },\n    {\n      name: 'ctrlX CORE made Easy',\n
duration_hours: 6,\n      price_euros: 'Free',\n      access: 'Lifetime',\n      type:
'Single'\n    },\n    {\n      name: 'PLCnext - Next Generation PLC',\n      duration_hours: 3,\n
price_euros: 'Free',\n      access: 'Lifetime',\n      type: 'Single'\n    },\n    {\n
name: 'Micro850 PLC with IIoT',\n      duration_hours: 26,\n      price_euros: 49,\n
      access: 'Lifetime',\n      type: 'Single'\n    },\n    {\n      name: 'Allen Bradley Module- PLC, VFD and SCADA',\n
duration_hours: 7,\n      price_euros: 29,\n      access: 'Lifetime',\n      type: 'Single'\n    },\n    {\n
name: 'Learn S7-1200 PLC and HMI (Basic)',\n      duration_hours: 18,\n      price_euros: 29,\n
      access: 'Lifetime',\n      type: 'Single'\n    }\n  ],\n  yearOfEstablishment: 2018\n}\n\n
global.set(\"company\", company)",
  "finalize": "",
  "libs": [],
  "x": 250,
  "y": 360,
  "wires": [
    [
      "df0a7dfb277da343",
      "49e7f1bed79d095f"
    ],
    [
      "fd06c25d66232e3d",
      "49e7f1bed79d095f"
    ],
    [
      "201f478883d5d6cc",
      "49e7f1bed79d095f"
    ],
    [
      "c9c3b674551d9fe3",
      "49e7f1bed79d095f"
    ],
    [
      "b232738ab9575f4f",
      "49e7f1bed79d095f"
    ]
  ]

```

```
]
]
},
{
  "id": "5979f9d2037f5acc",
  "type": "ui_dropdown",
  "z": "cfe389f4dd3fdb07",
  "name": "",
  "label": "",
  "tooltip": "",
  "place": "Select option",
  "group": "02c11ee3d0151b80",
  "order": 0,
  "width": 0,
  "height": 0,
  "passthru": true,
  "multiple": false,
  "options": [
    {
      "label": "JavaScript essentials for Node-RED",
      "value": 0,
      "type": "num"
    },
    {
      "label": "Node-RED made Easy",
      "value": 1,
      "type": "num"
    },
    {
      "label": "IIoT Bundle",
      "value": 2,
      "type": "num"
    },
    {
      "label": "ctrlX CORE made Easy",
      "value": 3,
      "type": "num"
    },
    {
      "label": "PLCnext - Next Generation PLC",
      "value": 4,
      "type": "num"
    },
    {
      "label": "Micro850 PLC with IIoT",
      "value": 5,
      "type": "num"
    }
  ]
}
```

```

    },
    {
      "label": "Allen Bradley Module- PLC, VFD and SCADA",
      "value": 6,
      "type": "num"
    },
    {
      "label": "Learn S7-1200 PLC and HMI (Basic)",
      "value": 7,
      "type": "num"
    }
  ],
  "payload": "",
  "topic": "topic",
  "topicType": "msg",
  "className": "",
  "x": 80,
  "y": 360,
  "wires": [
    [
      "37e361d8879681ad"
    ]
  ]
},
{
  "id": "49e7f1bed79d095f",
  "type": "debug",
  "z": "cfe389f4dd3fdb07",
  "name": "debug 75",
  "active": false,
  "tosidebar": true,
  "console": false,
  "tostatus": false,
  "complete": "true",
  "targetType": "full",
  "statusVal": "",
  "statusType": "auto",
  "x": 500,
  "y": 260,
  "wires": []
},
{
  "id": "8e4fd05f4c30cdb2",
  "type": "ui_group",
  "name": "Response",
  "tab": "a8bfcf6b057fb02b",
  "order": 2,

```

```
    "disp": true,  
    "width": "6",  
    "collapse": false,  
    "className": ""  
  },  
  {  
    "id": "02c11ee3d0151b80",  
    "type": "ui_group",  
    "name": "Courses",  
    "tab": "a8bfcf6b057fb02b",  
    "order": 1,  
    "disp": true,  
    "width": "6",  
    "collapse": false,  
    "className": ""  
  },  
  {  
    "id": "a8bfcf6b057fb02b",  
    "type": "ui_tab",  
    "name": "Code and Compile",  
    "icon": "dashboard",  
    "disabled": false,  
    "hidden": false  
  }  
]
```