```json
1   {
2     "name": "ACME Software Co.",
3     "type": "Software Development Company",
4     "offices": [
5       {
6         "name": "Headquarters",
7         "address": "Sofia"
8       },
9       {
10        "name": "Front Office",
11        "address": "New York City"
12      }
13    ],
14    "members": [
15      {
16        "id": 0,
17        "name": "John Smith",
18        "birthdate": "1980-01-01"
19      },
20      {
21        "id": 1,
22        "name": "Jane Smith",
23        "birthdate": "1981-02-02"
24      },
25      {
26        "id": 2,
27        "name": "John Doe",
28        "birthdate": "1982-03-03"
29      }
30    ],
31    "management": {
32      "directorId": 0,
33      "presidentId": 1
34    }
35  }
```

```
PS C:\Disk D\FMI\OOP-take-2\json_parser> g++ *.cpp
PS C:\Disk D\FMI\OOP-take-2\json_parser> ./a.exe
Please enter the path of the json file you wish to manipulate.
example.json
Successfully loaded file: example.json
Welcome! Pick any of the following commands to operate with the JSON Parser:
-------------------------------------------------------------------------
open <path> | validate | print | search <key> |
contains <value> | set <path> <string> | create <path> <string> |
delete <path> | move <from> <to> | save [<path>] | saveas <file> [<path>]
-------------------------------------------------------------------------
[example.json] > print
{
  "name": "ACME Software Co.",
  "type": "Software Development Company",
  "offices": [
    {
      "name": "Headquarters",
      "address": "Sofia"
    },
    {
      "name": "Front Office",
      "address": "New York City"
    }
  ],
  "members": [
    {
      "id": 0,
      "name": "John Smith",
      "birthdate": "1980-01-01"
    },
    {
      "id": 1,
      "name": "Jane Smith",
      "birthdate": "1981-02-02"
    },
    {
      "id": 2,
      "name": "John Doe",
      "birthdate": "1982-03-03"
    }
  ],
  "management": {
    "directorId": 0,
    "presidentId": 1
  }
}
[example.json] > validate
Valid JSON!
[example.json] > contains John Smith
The value "John Smith" is present in the JSON document.
[example.json] > search offices
[
  {
        "name": "Headquarters",
        "address": "Sofia"
  },
  {
        "name": "Front Office",
        "address": "New York City"
  }
]
```

```json
26              "id": 2,
27              "name": "John Doe",
28              "birthdate": "1982-03-03"
29          }
30        ],
31        "management": {
32          "directorId": "Nyama",
33          "presidentId": 1
34        },
35        "newPath": "Hello"
36  }
```

PROBLEMS 4   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

```
    },
    {
        "id": 2,
        "name": "John Doe",
        "birthdate": "1982-03-03"
    }
]
[example.json] > exit
PS C:\Disk D\FMI\OOP-take-2\json_parser> ./a.exe
Please enter the path of the json file you wish to manipulate.
example.json
Successfully loaded file: example.json
Welcome! Pick any of the following commands to operate with the JSON Parser:
--------------------------------------------------------------------------------
open <path> | validate | print | search <key> |
contains <value> | set <path> <string> | create <path> <string> |
delete <path> | move <from> <to> | save [<path>] | saveas <file> [<path>]
--------------------------------------------------------------------------------
[example.json] > set management/directorId "Nyama"
Successfully updated the value at path: management/directorId
[example.json] > create newPath "Hello"
Successfully created the value at path: newPath
[example.json] >
```

```json
{
  "name": "ACME Software Co.",
  "type": "Software Development Company",
  "offices": [
    {
      "name": "Headquarters",
      "address": "Sofia"
    },
    {
      "name": "Front Office",
      "address": "New York City"
    }
  ],
  "members": [
    {
      "id": 0,
      "name": "John Smith",
      "birthdate": "1980-01-01"
    },
    {
      "id": 1,
      "name": "Jane Smith",
      "birthdate": "1981-02-02"
    },
    {
      "id": 2,
      "name": "John Doe",
      "birthdate": "1982-03-03"
    }
  ],
  "management": {
    "directorId": "Nyama",
    "presidentId": 1
  }
}
```

```
      "name": "Jane Smith",
      "birthdate": "1981-02-02"
  },
  {
      "id": 2,
      "name": "John Doe",
      "birthdate": "1982-03-03"
  }
]
```

[example.json] > exit
PS C:\Disk D\FMI\OOP-take-2\json_parser> ./a.exe
Please enter the path of the json file you wish to manipulate.
example.json
Successfully loaded file: example.json
Welcome! Pick any of the following commands to operate with the JSON Parser:
----
open <path> | validate | print | search <key> |
contains <value> | set <path> <string> | create <path> <string> |
delete <path> | move <from> <to> | save [<path>] | saveas <file> [<path>]

[example.json] > set management/directorId "Nyama"
Successfully updated the value at path: management/directorId
[example.json] >

```json
        "name": "Jane Smith",
        "birthdate": "1981-02-02"
      },
      {
        "id": 2,
        "name": "John Doe",
        "birthdate": "1982-03-03"
      }
    ],
    "management": {
      "directorId": "Nyama",
      "presidentId": 1
    }
  }
```

```
      "id": 2,
      "name": "John Doe",
      "birthdate": "1982-03-03"
    }
  ]
```

PROBLEMS (4)   OUTPUT   DEBUG CONSOLE   **TERMINAL**   PORTS

```
[example.json] > exit
PS C:\Disk D\FMI\OOP-take-2\json_parser> ./a.exe
Please enter the path of the json file you wish to manipulate.
example.json
Successfully loaded file: example.json
Welcome! Pick any of the following commands to operate with the JSON Parser:
------------------------------------------------------------------------
open <path> | validate | print | search <key> |
contains <value> | set <path> <string> | create <path> <string> |
delete <path> | move <from> <to> | save [<path>] | saveas <file> [<path>]
------------------------------------------------------------------------
[example.json] > set management/directorId "Nyama"
Successfully updated the value at path: management/directorId
[example.json] > create newPath "Hello"
Successfully created the value at path: newPath
[example.json] > delete newPath
Successfully deleted the value at path: newPath
[example.json] >
```

och Program (user settings)   Live Share

```json
28            "birthdate": "1982-03-03"
29          }
30        ],
31        "whatever": {
32          "directorId": "Nyama",
33          "presidentId": 1
34        }
35    }
```

PROBLEMS (4)   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

```
        "birthdate": "1982-03-03"
    }
]
[example.json] > exit
PS C:\Disk D\FMI\OOP-take-2\json_parser> ./a.exe
Please enter the path of the json file you wish to manipulate.
example.json
Successfully loaded file: example.json
Welcome! Pick any of the following commands to operate with the JSON Parser:
------------------------------------------------------------------------
open <path> | validate | print | search <key> |
contains <value> | set <path> <string> | create <path> <string> |
delete <path> | move <from> <to> | save [<path>] | saveas <file> [<path>]
------------------------------------------------------------------------
[example.json] > set management/directorId "Nyama"
Successfully updated the value at path: management/directorId
[example.json] > create newPath "Hello"
Successfully created the value at path: newPath
[example.json] > delete newPath
Successfully deleted the value at path: newPath
[example.json] > move management whatever
Successfully moved the value from path: management to path: whatever
[example.json] >
```

```
[example.json] > save members
Successfully saved members in JSON file example.json
[example.json] > saveas members members.json
Path element not found: members.json
Invalid path.
Failed to save the JSON at path: members.json to members
[example.json] > saveas members.json members
Successfully saved the JSON at path: members to members.json
[example.json] > []
```

```json
[
  {
    "id": 0,
    "name": "John Smith",
    "birthdate": "1980-01-01"
  },
  {
    "id": 1,
    "name": "Jane Smith",
    "birthdate": "1981-02-02"
  },
  {
    "id": 2,
    "name": "John Doe",
    "birthdate": "1982-03-03"
  }
]
```