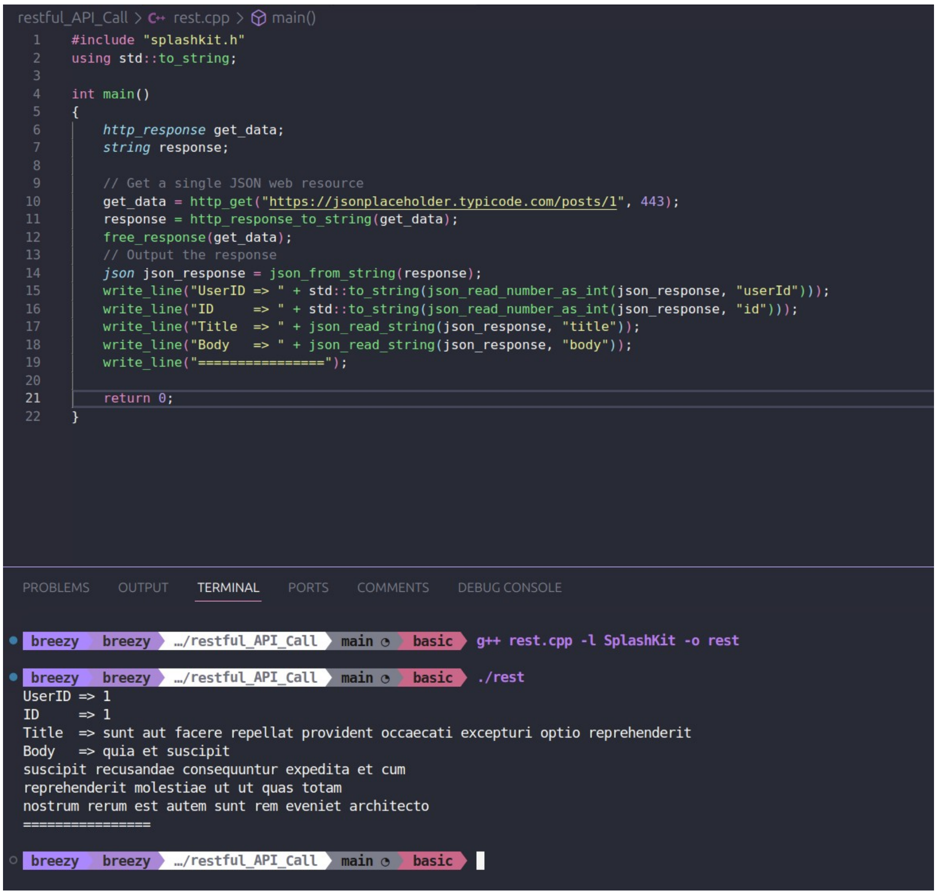
C++:

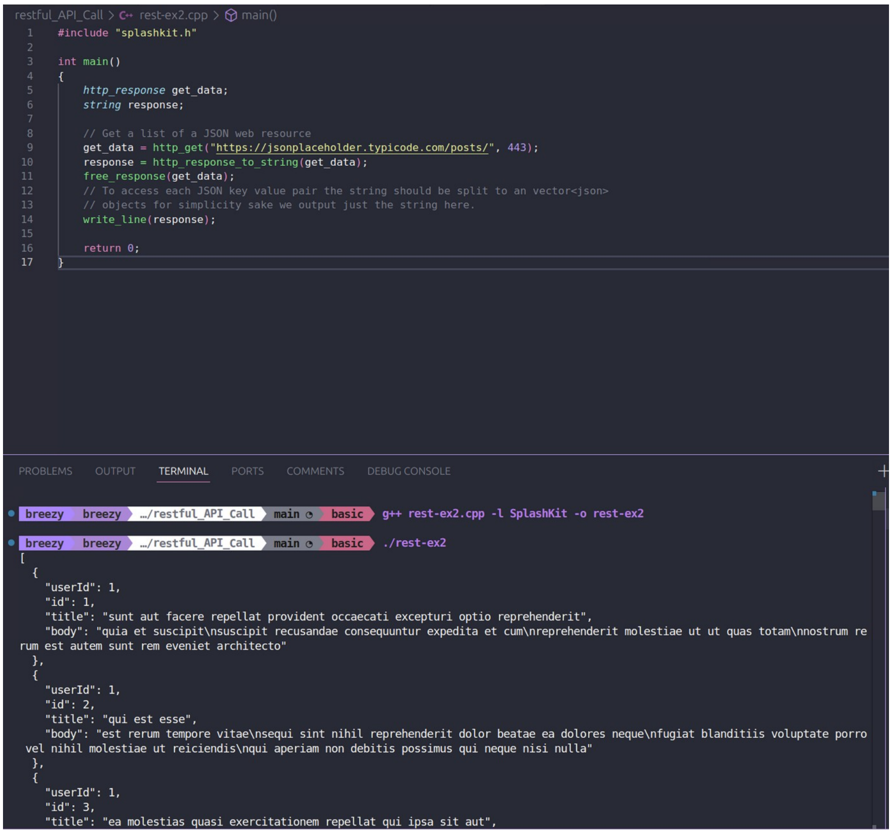
Example 1:



```cpp
#include "splashkit.h"
using std::to_string;

int main()
{
    http_response get_data;
    string response;

    // Get a single JSON web resource
    get_data = http_get("https://jsonplaceholder.typicode.com/posts/1", 443);
    response = http_response_to_string(get_data);
    free_response(get_data);
    // Output the response
    json json_response = json_from_string(response);
    write_line("UserID => " + std::to_string(json_read_number_as_int(json_response, "userId")));
    write_line("ID     => " + std::to_string(json_read_number_as_int(json_response, "id")));
    write_line("Title  => " + json_read_string(json_response, "title"));
    write_line("Body   => " + json_read_string(json_response, "body"));
    write_line("================");

    return 0;
}
```

```
breezy  breezy  …/restful_API_Call  main ◔  basic  g++ rest.cpp -l SplashKit -o rest

breezy  breezy  …/restful_API_Call  main ◔  basic  ./rest
UserID => 1
ID     => 1
Title  => sunt aut facere repellat provident occaecati excepturi optio reprehenderit
Body   => quia et suscipit
suscipit recusandae consequuntur expedita et cum
reprehenderit molestiae ut ut quas totam
nostrum rerum est autem sunt rem eveniet architecto
================

breezy  breezy  …/restful_API_Call  main ◔  basic
```

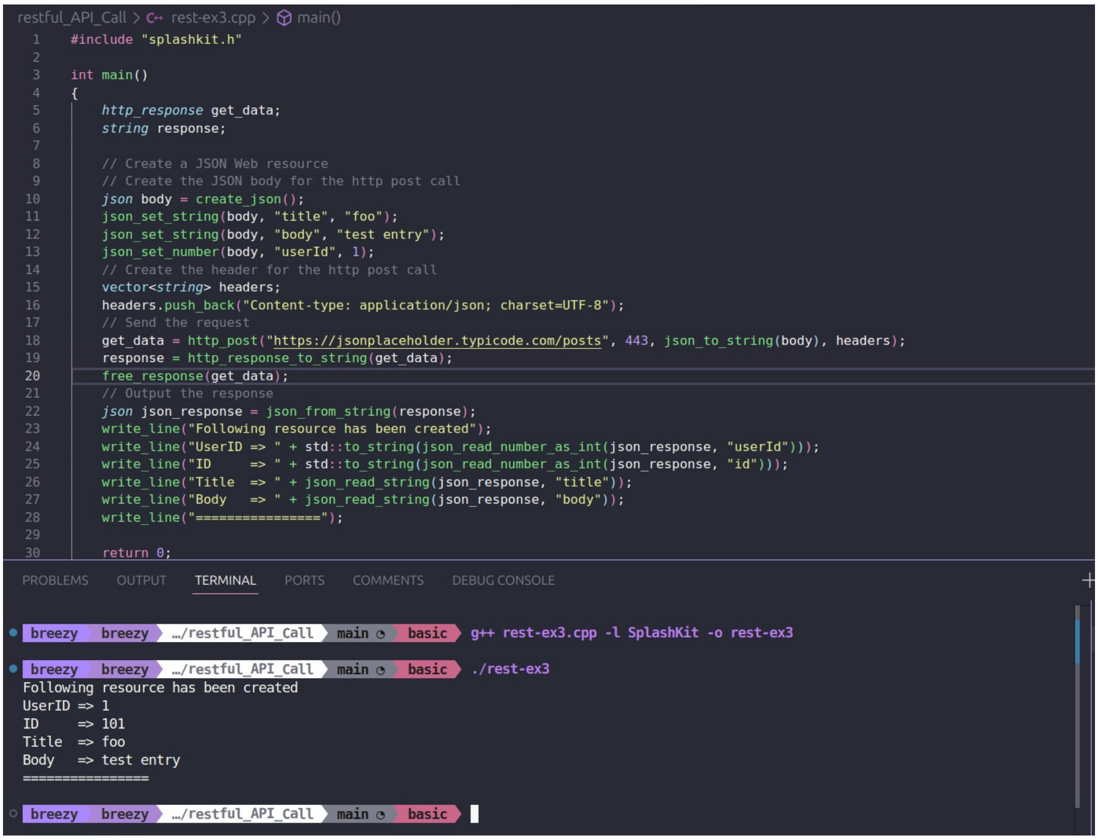
Example 2:



```cpp
#include "splashkit.h"

int main()
{
    http_response get_data;
    string response;

    // Get a list of a JSON web resource
    get_data = http_get("https://jsonplaceholder.typicode.com/posts/", 443);
    response = http_response_to_string(get_data);
    free_response(get_data);
    // To access each JSON key value pair the string should be split to an vector<json>
    // objects for simplicity sake we output just the string here.
    write_line(response);

    return 0;
}
```

```
breezy  breezy  …/restful_API_Call  main ◔  basic  g++ rest-ex2.cpp -l SplashKit -o rest-ex2

breezy  breezy  …/restful_API_Call  main ◔  basic  ./rest-ex2
[
  {
    "userId": 1,
    "id": 1,
    "title": "sunt aut facere repellat provident occaecati excepturi optio reprehenderit",
    "body": "quia et suscipit\nsuscipit recusandae consequuntur expedita et cum\nreprehenderit molestiae ut ut quas totam\nnostrum re
rum est autem sunt rem eveniet architecto"
  },
  {
    "userId": 1,
    "id": 2,
    "title": "qui est esse",
    "body": "est rerum tempore vitae\nsequi sint nihil reprehenderit dolor beatae ea dolores neque\nfugiat blanditiis voluptate porro
 vel nihil molestiae ut reiciendis\nqui aperiam non debitis possimus qui neque nisi nulla"
  },
  {
    "userId": 1,
    "id": 3,
    "title": "ea molestias quasi exercitationem repellat qui ipsa sit aut",
```

Example 3:

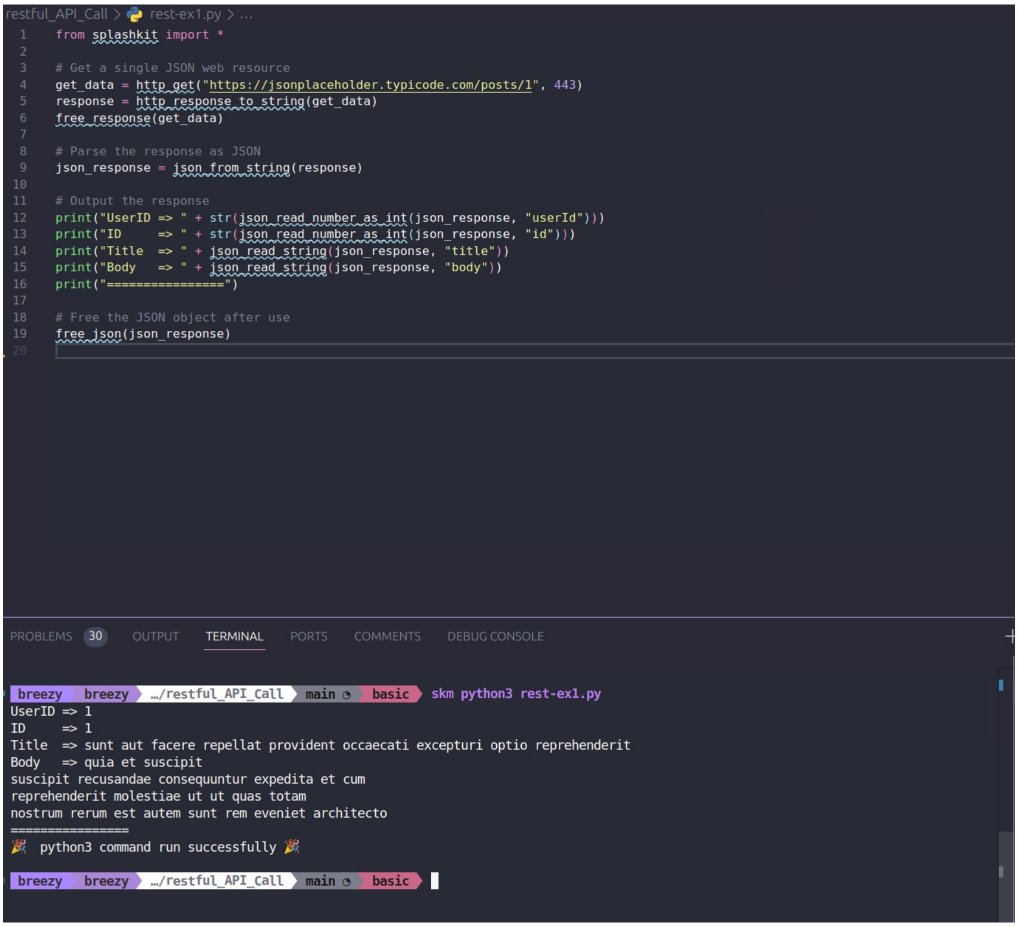


```cpp
#include "splashkit.h"

int main()
{
    http_response get_data;
    string response;

    // Create a JSON Web resource
    // Create the JSON body for the http post call
    json body = create_json();
    json_set_string(body, "title", "foo");
    json_set_string(body, "body", "test entry");
    json_set_number(body, "userId", 1);
    // Create the header for the http post call
    vector<string> headers;
    headers.push_back("Content-type: application/json; charset=UTF-8");
    // Send the request
    get_data = http_post("https://jsonplaceholder.typicode.com/posts", 443, json_to_string(body), headers);
    response = http_response_to_string(get_data);
    free_response(get_data);
    // Output the response
    json json_response = json_from_string(response);
    write_line("Following resource has been created");
    write_line("UserID => " + std::to_string(json_read_number_as_int(json_response, "userId")));
    write_line("ID     => " + std::to_string(json_read_number_as_int(json_response, "id")));
    write_line("Title  => " + json_read_string(json_response, "title"));
    write_line("Body   => " + json_read_string(json_response, "body"));
    write_line("================");

    return 0;
```

```
breezy  breezy  …/restful_API_Call  main  basic  g++ rest-ex3.cpp -l SplashKit -o rest-ex3

breezy  breezy  …/restful_API_Call  main  basic  ./rest-ex3
Following resource has been created
UserID => 1
ID     => 101
Title  => foo
Body   => test entry
================

breezy  breezy  …/restful_API_Call  main  basic
```

Python:

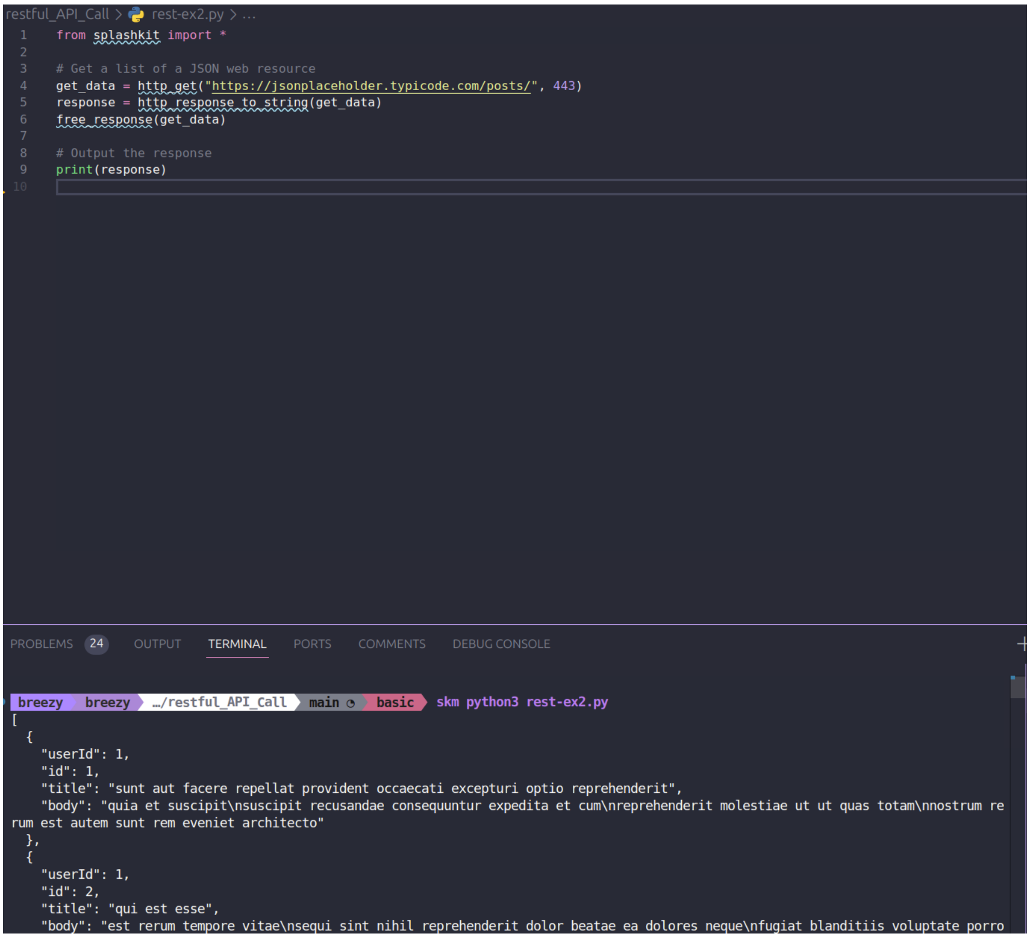
Example 1:



```python
from splashkit import *

# Get a single JSON web resource
get_data = http_get("https://jsonplaceholder.typicode.com/posts/1", 443)
response = http_response_to_string(get_data)
free_response(get_data)

# Parse the response as JSON
json_response = json_from_string(response)

# Output the response
print("UserID => " + str(json_read_number_as_int(json_response, "userId")))
print("ID     => " + str(json_read_number_as_int(json_response, "id")))
print("Title  => " + json_read_string(json_response, "title"))
print("Body   => " + json_read_string(json_response, "body"))
print("================")

# Free the JSON object after use
free_json(json_response)
```

```
breezy  breezy  …/restful_API_Call  main  basic  skm python3 rest-ex1.py
UserID => 1
ID     => 1
Title  => sunt aut facere repellat provident occaecati excepturi optio reprehenderit
Body   => quia et suscipit
suscipit recusandae consequuntur expedita et cum
reprehenderit molestiae ut ut quas totam
nostrum rerum est autem sunt rem eveniet architecto
================
🎉 python3 command run successfully 🎉

breezy  breezy  …/restful_API_Call  main  basic
```

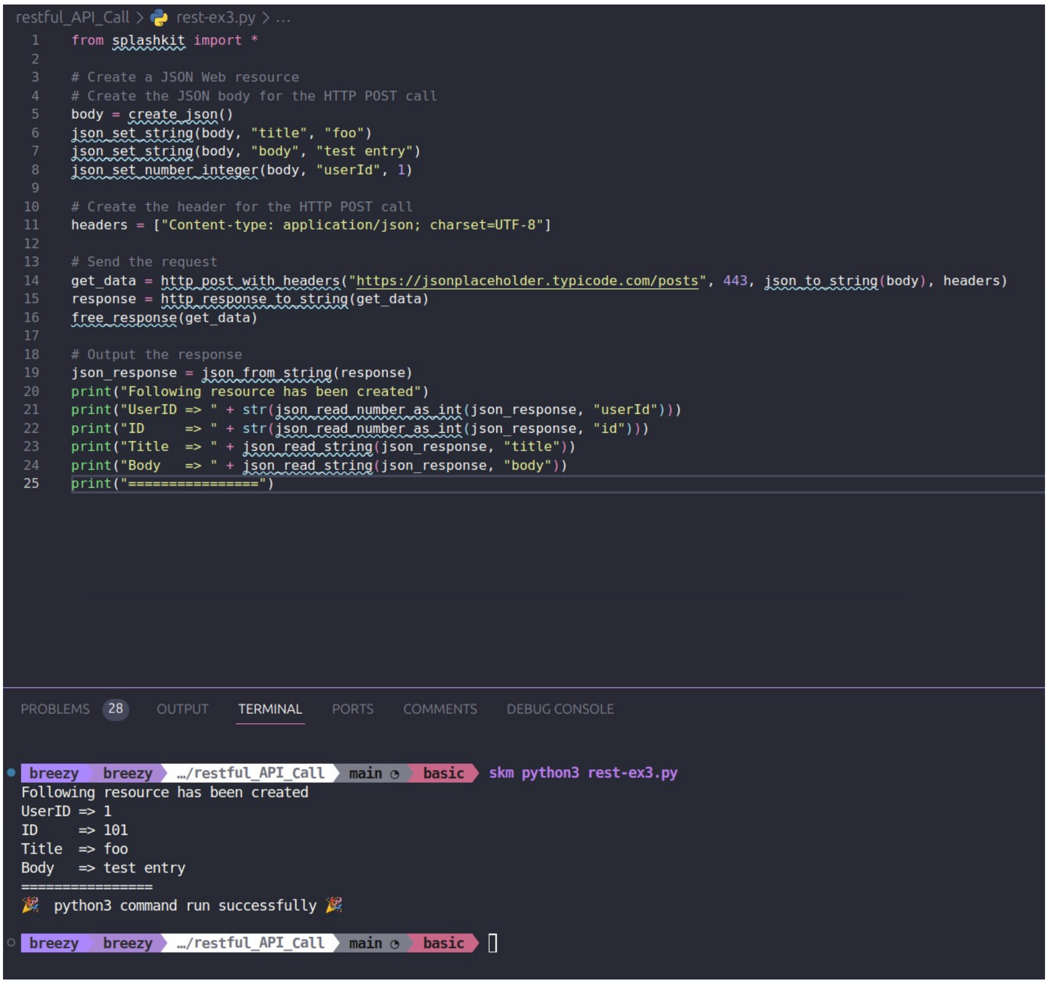
Example 2:



```python
from splashkit import *

# Get a list of a JSON web resource
get_data = http_get("https://jsonplaceholder.typicode.com/posts/", 443)
response = http_response_to_string(get_data)
free_response(get_data)

# Output the response
print(response)
```

```
breezy  breezy  …/restful_API_Call  main ◔  basic  skm python3 rest-ex2.py
[
  {
    "userId": 1,
    "id": 1,
    "title": "sunt aut facere repellat provident occaecati excepturi optio reprehenderit",
    "body": "quia et suscipit\nsuscipit recusandae consequuntur expedita et cum\nreprehenderit molestiae ut ut quas totam\nnostrum re
rum est autem sunt rem eveniet architecto"
  },
  {
    "userId": 1,
    "id": 2,
    "title": "qui est esse",
    "body": "est rerum tempore vitae\nsequi sint nihil reprehenderit dolor beatae ea dolores neque\nfugiat blanditiis voluptate porro
```

Example 3:

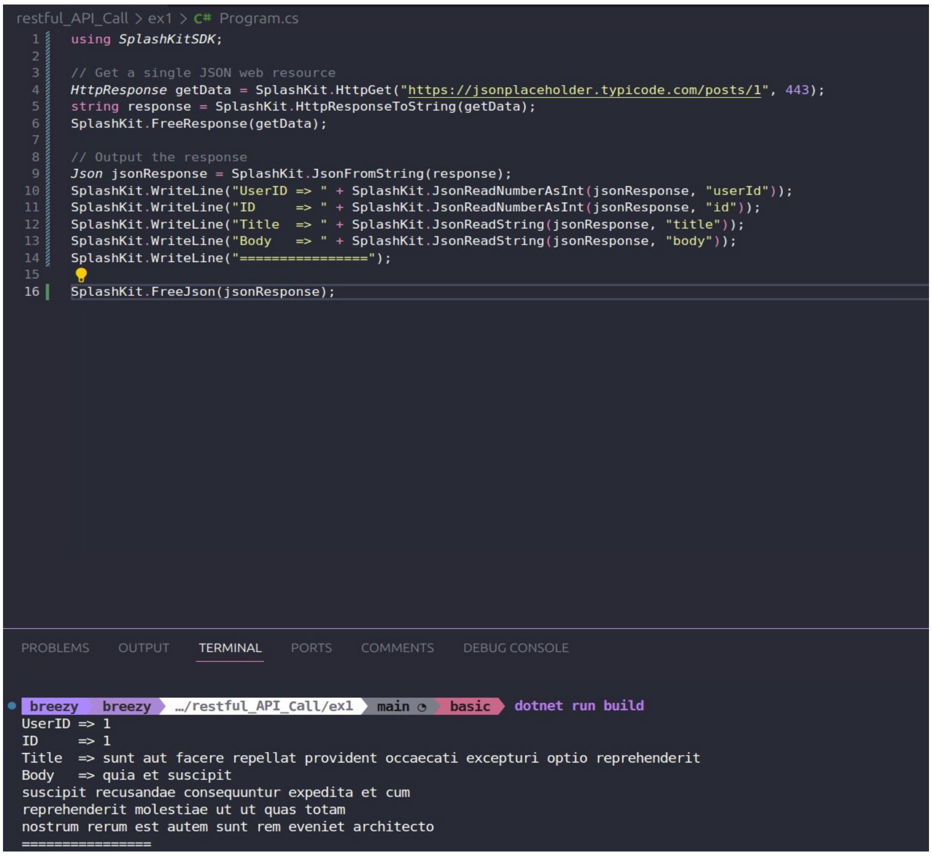


```python
from splashkit import *

# Create a JSON Web resource
# Create the JSON body for the HTTP POST call
body = create_json()
json_set_string(body, "title", "foo")
json_set_string(body, "body", "test entry")
json_set_number_integer(body, "userId", 1)

# Create the header for the HTTP POST call
headers = ["Content-type: application/json; charset=UTF-8"]

# Send the request
get_data = http_post_with_headers("https://jsonplaceholder.typicode.com/posts", 443, json_to_string(body), headers)
response = http_response_to_string(get_data)
free_response(get_data)

# Output the response
json_response = json_from_string(response)
print("Following resource has been created")
print("UserID => " + str(json_read_number_as_int(json_response, "userId")))
print("ID     => " + str(json_read_number_as_int(json_response, "id")))
print("Title  => " + json_read_string(json_response, "title"))
print("Body   => " + json_read_string(json_response, "body"))
print("================")
```

```
breezy  breezy  …/restful_API_Call  main ◔  basic  skm python3 rest-ex3.py
Following resource has been created
UserID => 1
ID     => 101
Title  => foo
Body   => test entry
================
🎉  python3 command run successfully 🎉

breezy  breezy  …/restful_API_Call  main ◔  basic  ▯
```

C#:

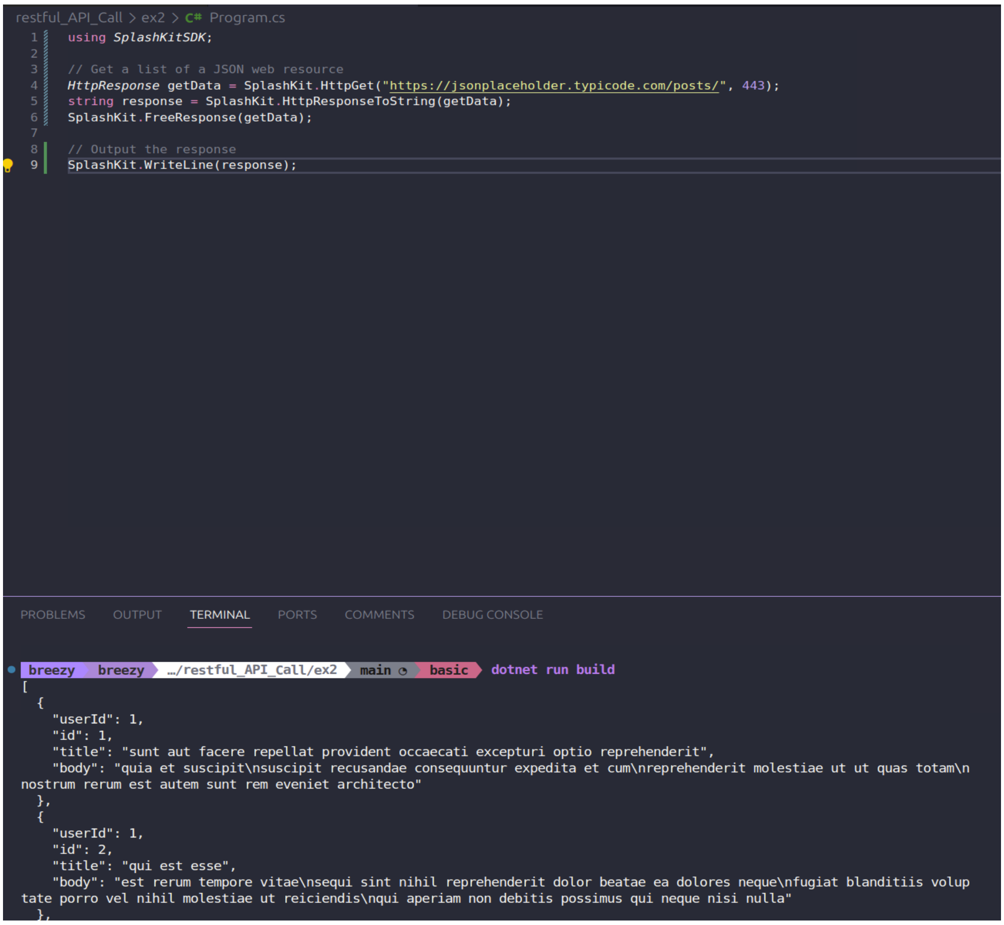
Example 1:



```csharp
using SplashKitSDK;

// Get a single JSON web resource
HttpResponse getData = SplashKit.HttpGet("https://jsonplaceholder.typicode.com/posts/1", 443);
string response = SplashKit.HttpResponseToString(getData);
SplashKit.FreeResponse(getData);

// Output the response
Json jsonResponse = SplashKit.JsonFromString(response);
SplashKit.WriteLine("UserID => " + SplashKit.JsonReadNumberAsInt(jsonResponse, "userId"));
SplashKit.WriteLine("ID     => " + SplashKit.JsonReadNumberAsInt(jsonResponse, "id"));
SplashKit.WriteLine("Title  => " + SplashKit.JsonReadString(jsonResponse, "title"));
SplashKit.WriteLine("Body   => " + SplashKit.JsonReadString(jsonResponse, "body"));
SplashKit.WriteLine("================");

SplashKit.FreeJson(jsonResponse);
```

```
breezy  breezy  …/restful_API_Call/ex1  main ◷  basic  dotnet run build
UserID => 1
ID     => 1
Title  => sunt aut facere repellat provident occaecati excepturi optio reprehenderit
Body   => quia et suscipit
suscipit recusandae consequuntur expedita et cum
reprehenderit molestiae ut ut quas totam
nostrum rerum est autem sunt rem eveniet architecto
================
```

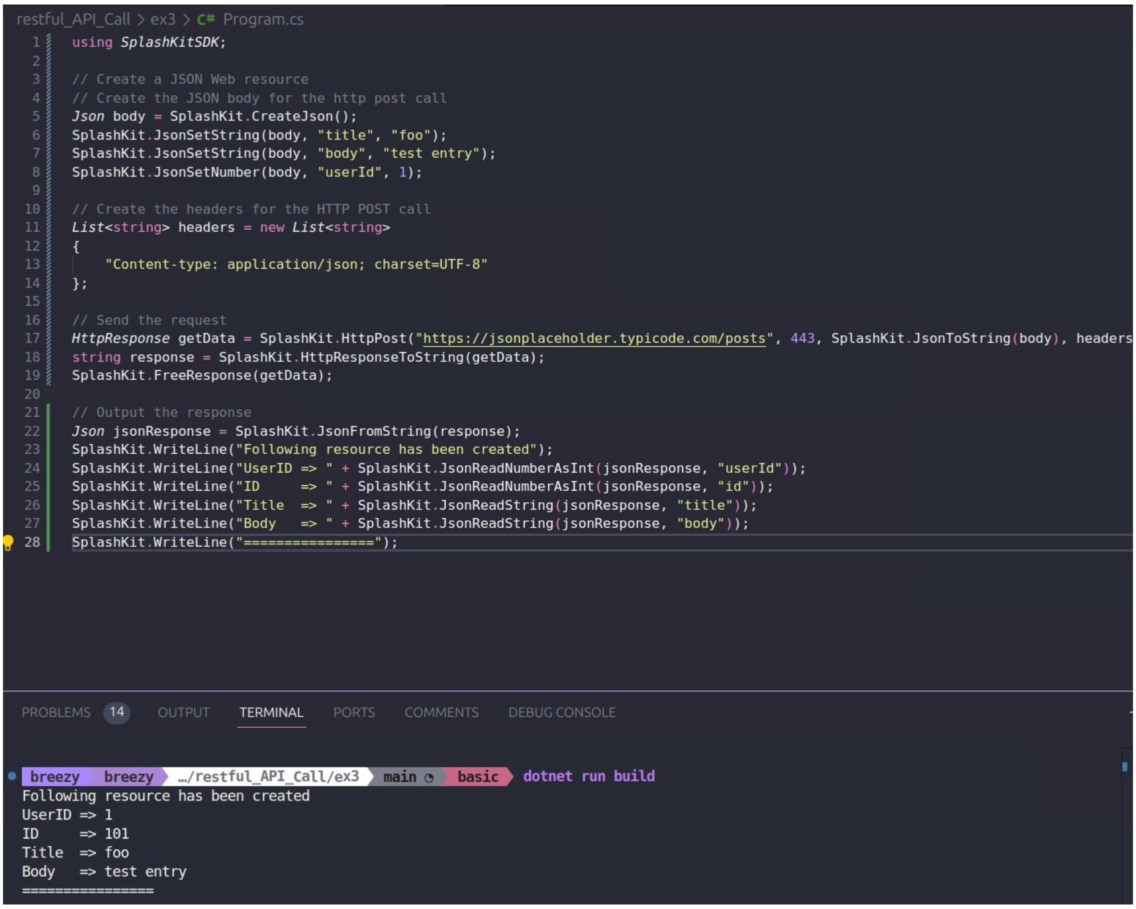
Example 2:



```csharp
using SplashKitSDK;

// Get a list of a JSON web resource
HttpResponse getData = SplashKit.HttpGet("https://jsonplaceholder.typicode.com/posts/", 443);
string response = SplashKit.HttpResponseToString(getData);
SplashKit.FreeResponse(getData);

// Output the response
SplashKit.WriteLine(response);
```

```
breezy  breezy  …/restful_API_Call/ex2  main ◷  basic  dotnet run build
[
  {
    "userId": 1,
    "id": 1,
    "title": "sunt aut facere repellat provident occaecati excepturi optio reprehenderit",
    "body": "quia et suscipit\nsuscipit recusandae consequuntur expedita et cum\nreprehenderit molestiae ut ut quas totam\n
nostrum rerum est autem sunt rem eveniet architecto"
  },
  {
    "userId": 1,
    "id": 2,
    "title": "qui est esse",
    "body": "est rerum tempore vitae\nsequi sint nihil reprehenderit dolor beatae ea dolores neque\nfugiat blanditiis volup
tate porro vel nihil molestiae ut reiciendis\nqui aperiam non debitis possimus qui neque nisi nulla"
  },
```

Example 3:



```csharp
using SplashKitSDK;

// Create a JSON Web resource
// Create the JSON body for the http post call
Json body = SplashKit.CreateJson();
SplashKit.JsonSetString(body, "title", "foo");
SplashKit.JsonSetString(body, "body", "test entry");
SplashKit.JsonSetNumber(body, "userId", 1);

// Create the headers for the HTTP POST call
List<string> headers = new List<string>
{
    "Content-type: application/json; charset=UTF-8"
};

// Send the request
HttpResponse getData = SplashKit.HttpPost("https://jsonplaceholder.typicode.com/posts", 443, SplashKit.JsonToString(body), headers
string response = SplashKit.HttpResponseToString(getData);
SplashKit.FreeResponse(getData);

// Output the response
Json jsonResponse = SplashKit.JsonFromString(response);
SplashKit.WriteLine("Following resource has been created");
SplashKit.WriteLine("UserID => " + SplashKit.JsonReadNumberAsInt(jsonResponse, "userId"));
SplashKit.WriteLine("ID     => " + SplashKit.JsonReadNumberAsInt(jsonResponse, "id"));
SplashKit.WriteLine("Title  => " + SplashKit.JsonReadString(jsonResponse, "title"));
SplashKit.WriteLine("Body   => " + SplashKit.JsonReadString(jsonResponse, "body"));
SplashKit.WriteLine("================");
```

```
breezy  breezy  …/restful_API_Call/ex3  main  basic  dotnet run build
Following resource has been created
UserID => 1
ID     => 101
Title  => foo
Body   => test entry
================
```