Homework for Introduction in IT. Part 2.

Part 1. Identify your IP address and check Rest API for your location.

https://ipinfo.io/161.185.160.93/geo

Validate your GEO location and add proofs.

Think how you will validate Rest API for checking GEP location.

Part 2/ Answer questions:

- What is an API?
- What is an API URL?
- What are parameters?
- What is an endpoint?
- What is an API key/token?
- What are headers?
- What is a GET request?
- What is a POST request?

Part 3. Check POST request

3.1.

https://image-charts.com/chart?cht=p3&chs=700x100&chd=t:60,40&chl=Hello|World&chan&chf=ps0-0,lg,45,ffeb3b,0.2,f44336,1|ps0-1,lg,45,8bc34a,0.2,009688,1

3.2. https://itunes.apple.com/search?term=radiohead

Use JSON viewr for response for 3.2:
http://jsonviewer.stack.hu

Format result.

Viewer | Text

Paste Copy | Format Remove white space | Clear | Load JSON data

```json
{
  "resultCount": 50,
  "results": [
    {
      "wrapperType": "audiobook",
      "artistId": 284145822,
      "collectionId": 329945732,
      "artistName": "Alan Cross",
      "collectionName": "Radiohead: The Alan Cross Guide (Unabridged)",
      "collectionCensoredName": "Radiohead: The Alan Cross Guide (Unabridged)",
      "artistViewUrl": "https://books.apple.com/us/author/alan-cross/id284145822?uo=4",
      "collectionViewUrl": "https://books.apple.com/us/audiobook/radiohead-the-alan-cross-guide-unabridged/id329945732?uo=4",
      "artworkUrl60": "https://is4-ssl.mzstatic.com/image/thumb/Features/v4/f5/2b/ae/f52bae83-3dd4-a899-3d41-a86822b4906d/dj.ppzdcauz.jpg/60x60bb.jpg",
      "artworkUrl100": "https://is4-ssl.mzstatic.com/image/thumb/Features/v4/f5/2b/ae/f52bae83-3dd4-a899-3d41-a86822b4906d/dj.ppzdcauz.jpg/100x100bb.jpg",
      "collectionPrice": 3.99,
      "collectionExplicitness": "notExplicit",
      "trackCount": 1,
      "copyright": "© 2009 HarperCollins Publishers Ltd",
      "country": "USA",
      "currency": "USD",
      "releaseDate": "2009-09-01T07:00:00Z",
      "primaryGenreName": "Biographies & Memoirs",
      "previewUrl": "https://audio-ssl.itunes.apple.com/itunes-assets/AudioPreview123/v4/c3/b6/c6/c3b6c657-1898-622b-f6ba-c4ca8640d45a/mzaf_3621485871191436227.std.aac.p.m4a",
      "description": "In this new audiobook, broadcaster and music writer Alan Cross narrates the definitive history of Radiohead. Cross succeeds once again in revealing the fascinating history behind the music in the same compelling way we've come to expect from his long broadcasting career."
    },
    {
      "wrapperType": "track",
      "kind": "song",
      "artistId": 155546,
      "collectionId": 124911522,
      "trackId": 124910515,
      "artistName": "Talking Heads",
      "collectionName": "True Stories (Bonus Track Version)",
      "trackName": "Radio Head",
      "collectionCensoredName": "True Stories (Bonus Track Version)",
      "trackCensoredName": "Radio Head",
      "artistViewUrl": "https://music.apple.com/us/artist/talking-heads/155546?uo=4",
      "collectionViewUrl": "https://music.apple.com/us/album/radio-head/124911522?i=124910515&uo=4",
      "trackViewUrl": "https://music.apple.com/us/album/radio-head/124911522?i=124910515&uo=4",
      "previewUrl": "https://audio-ssl.itunes.apple.com/itunes-assets/AudioPreview112/v4/2b/7d/9c/2b7d9cad-79b2-577e-f6f0-ecc3d579c909/mzaf_8438149319070179487.plus.aac.p.m4a",
      "artworkUrl30": "https://is3-ssl.mzstatic.com/image/thumb/Music/57/21/09/mzi.tpywqdux.jpg/30x30bb.jpg",
      "artworkUrl60": "https://is3-ssl.mzstatic.com/image/thumb/Music/57/21/09/mzi.tpywqdux.jpg/60x60bb.jpg",
      "artworkUrl100": "https://is3-ssl.mzstatic.com/image/thumb/Music/57/21/09/mzi.tpywqdux.jpg/100x100bb.jpg",
      "collectionPrice": 11.99,
      "trackPrice": 1.29,
      "releaseDate": "1986-10-07T07:00:00Z",
      "collectionExplicitness": "notExplicit",
      "trackExplicitness": "notExplicit",
      "discCount": 1,
      "discNumber": 1,
      "trackCount": 12,
      "trackNumber": 6,
      "trackTimeMillis": 212027,
      "country": "USA",
      "currency": "USD",
      "primaryGenreName": "Alternative",
      "isStreamable": true
    },
    {
      "wrapperType": "track",
      "kind": "song",
      "artistId": 155546,
```

Viewer | Text

JSON
  resultCount : 50
  results
    0
      wrapperType : "audiobook"
      artistId : 284145822
      collectionId : 329945732
      artistName : "Alan Cross"
      collectionName : "Radiohead: The Alan Cross Guide (Unabridged)"
      collectionCensoredName : "Radiohead: The Alan Cross Guide (Unabridged)"
      artistViewUrl : "https://books.apple.com/us/author/alan-cross/id284145822?uo=4"
      collectionViewUrl : "https://books.apple.com/us/audiobook/radiohead-the-alan-cross-guide-unabridged/id329945732?uo=4"
      artworkUrl60 : "https://is4-ssl.mzstatic.com/image/thumb/Features/v4/f5/2b/ae/f52bae83-3dd4-a899-3d41-a86822b4906d/dj.ppzdcauz.jpg/60x60bb.jpg"
      artworkUrl100 : "https://is4-ssl.mzstatic.com/image/thumb/Features/v4/f5/2b/ae/f52bae83-3dd4-a899-3d41-a86822b4906d/dj.ppzdcauz.jpg/100x100bb.jpg"
      collectionPrice : 3.99
      collectionExplicitness : "notExplicit"
      trackCount : 1
      copyright : "© 2009 HarperCollins Publishers Ltd"
      country : "USA"
      currency : "USD"
      releaseDate : "2009-09-01T07:00:00Z"
      primaryGenreName : "Biographies & Memoirs"
      previewUrl : "https://audio-ssl.itunes.apple.com/itunes-assets/AudioPreview123/v4/c3/b6/c6/c3b6c657-1898-622b-f6ba-c4ca8640d45a/mzaf_3621485871191436227.std.aac.p.m4a"
      description : "In this new audiobook, broadcaster and music writer Alan Cross narrates the definitive history of Radiohead. Cross succeeds once again in revealing the fascinating history behind
    1
      wrapperType : "track"
      kind : "song"
      artistId : 155546
      collectionId : 124911522
      trackId : 124910515
      artistName : "Talking Heads"
      collectionName : "True Stories (Bonus Track Version)"
      trackName : "Radio Head"
      collectionCensoredName : "True Stories (Bonus Track Version)"
      trackCensoredName : "Radio Head"
      artistViewUrl : "https://music.apple.com/us/artist/talking-heads/155546?uo=4"
      collectionViewUrl : "https://music.apple.com/us/album/radio-head/124911522?i=124910515&uo=4"
      trackViewUrl : "https://music.apple.com/us/album/radio-head/124911522?i=124910515&uo=4"
      previewUrl : "https://audio-ssl.itunes.apple.com/itunes-assets/AudioPreview112/v4/2b/7d/9c/2b7d9cad-79b2-577e-f6f0-ecc3d579c909/mzaf_8438149319070179487.plus.aac.p.m4a"
      artworkUrl30 : "https://is3-ssl.mzstatic.com/image/thumb/Music/57/21/09/mzi.tpywqdux.jpg/30x30bb.jpg"
      artworkUrl60 : "https://is3-ssl.mzstatic.com/image/thumb/Music/57/21/09/mzi.tpywqdux.jpg/60x60bb.jpg"
      artworkUrl100 : "https://is3-ssl.mzstatic.com/image/thumb/Music/57/21/09/mzi.tpywqdux.jpg/100x100bb.jpg"
      collectionPrice : 11.99
      trackPrice : 1.29
      releaseDate : "1986-10-07T07:00:00Z"
      collectionExplicitness : "notExplicit"