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The agify was unable to predict my age I guess I am immortal 👽

**Using Mozilla Firefox is strongly recommended for this Activity because it can transform JSON responses into a human readable format.** (Raw Data > "Pretty Print") (#)*is**points for API and Time Zone questions.*

1. (5) What is sent via the API from one system to another? What is sent back?

API sends: When using an API, data is sent from one system to another in the form of HTTP requests.

Sent back: The response sent back from the server system to the client system contains the result of the API request. The response may include the requested data, error messages, status codes, and other relevant information.

2. (5) Use api.agify.io to predict the age of a person using your given name and an ISO country code

API URL request: <https://api.agify.io/?name=harsahbaj&country_id=IN>

JSON response: {

"count": 0,

"name": "harsahbaj",

"age": null,

"country\_id": "IN"

}

3. (5) Use the time zone API request at worldtimeapi.org

API URL request: https://worldtimeapi.org/api/timezone/asia/dili

JSON response: {

"abbreviation": "+09",

"client\_ip": "142.188.119.178",

"datetime": "2023-07-15T09:40:03.343580+09:00",

"day\_of\_week": 6,

"day\_of\_year": 196,

"dst": false,

"dst\_from": null,

"dst\_offset": 0,

"dst\_until": null,

"raw\_offset": 32400,

"timezone": "Asia/Dili",

"unixtime": 1689381603,

"utc\_datetime": "2023-07-15T00:40:03.343580+00:00",

"utc\_offset": "+09:00",

"week\_number": 28

}

4. (16)Using the above JSON data from worldtimeapi.org, fill in the JSON key / value pairs relating to the descriptions in the table below.

|  |  |  |
| --- | --- | --- |
| See Response Schema | JSON key | JSON value |
| UTC date/time in ISO8601 format | utc\_datetime | 2023-07-15T00:40:03.343580+00:00 |
| Unix UTC timestamp | unixtime | 1689381603 |
| Unix UTC to location difference | raw\_offset | 32400 |
| Location's daylight-saving time difference | dst\_offset | 0 |
| Location date/time in ISO8601 format | datetime | 2023-07-15T09:40:03.343580+09:00 |
| How do you calculate the location's timestamp from the UTC timestamp using JSON keys? | unixtime = 1689381603.  raw\_offset = 32400.  Add the UTC offset to the UTC timestamp: 1689381603 + 32400 | Calculated location timestamp value is:  1689414003. |

**5.**  (5) How did you confirm that your location timestamp when converted to data/time was the same as the Location date/time in ISO8601 format in the JSON schema? Show your test and the result.

I used the epoch converter to translate the timestamp to ISO format as GMT, and then compared the results with the location and in ISO format which was the same. So hence confirmed

A screenshot of a computer

Description automatically generated

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SDLC – Software Development Life Cycle 54 points = 9 points × 6 items, 75+ words each

**Determine**:

To become comfortable and known with what the assignment wants me to do, I carefully review the specifications and look for the specific requirements. I also try to analyze the output required to check how, understanding the output, and what the program demands of the code, looking for places in the program where a complex logic would be required. I then break down the code into small parts and look for coding parts of logic independently.

**Define:**

To fully understand the I would analyse the input, checking the requirements and the expected outputs. This process also involves asking the professor for clarifications on parts where I think I might get stuck at, then going through all the topics to understand what topic is the workshop based on for example in IPC this week we have to make a program which includes the use of structures functions and pointers so for that I will go through all the notes I made in lecture class to correct my syntax and also understand how to use these and modify them according to the requirements.

**Design**:

Before I start to code I always try to make a psuedocde first as it is told to us in APS145 by using the computational thinking approaches taught to us in APS145. Decomposition of complex logics and looking for patterns. In the design phase of the code I like to keep my code well organised and clean with self defined variables and practicing all the good mannered coding techniques. I try to write comments at certain points of the code to minimize errors and improve the efficiency of the development process.

**Develop:**

In the development phase I implement the design I created into the programming source code. Following all the good mannered coding techniques such as writing clean and organised code also as described earlier giving comments at appropriate places and using self defining variable names. To ensure that my code is running correctly and also that it is not just working with the given samples values I create some scenarios and do the testing and debugging phase using different values each time to test the logic and iterations used. I also try to put printf statements at some points of the code if I think that the bug might be at some place right around that and also trying to use the visual studio ide debugging tools. I know the output is correct when the program is executed seamlessly when all the required steps and values are completed and added to it respectively.

**Deliver**:

To manage the delivery of the project I follow the general steps given by the professor i.e. submitting the code through matrix servers. Whenever I encounter some issues regarding the output I go through all my code again and refer to the error.txt and the differences in the required output and the output of my code these errors are generally missing spaces misspelled words or mistakes that could be solved easily with thorough look. If the problem persists even after all the changes and I could not understand the error I try contacting my professor or fellow student to get a fresh eye on where I might be going wrong. Overall usual troubleshooting is enough to get the desired output if I have designed and developed the code efficiently. For the reflection part I stay true to what is asked as those questions are usually based on the problems encountered during the creation of the code, if they are theory based then I carefully review my course notes and consider the lessons learned accompanied with the challenges faces and improvements made during the making process.

**D'oh**:

For ongoing system maintenance and user support, I ensure that my code is easy to read and maintainable. With the good practices of coding I implemented it insures that anyone reading my code would know what is going on and If in future any changes are to be made then that would be much easier. If there are any changes or updates made to the code during the at home work I would ensure that everything is kept up to date for example updating the comments and relevant instructions. Using github to use in terms of version control to keep track of all the changes made.

Software Version 5 × 2 points each

A. The name of the software is Brave browser, and its current version is Brave 1.29.81.

B. The components of the version number in Brave Browser follow a similar format to other software:

"1" represents the major version, indicating significant updates and new features.

"29" represents the minor version, indicating smaller updates, improvements, and bug fixes.

"81" represents the patch version, indicating specific bug fixes or security updates.

C. Forward compatibility for Brave Browser would mean that if you are using version 1.29.81, it should be compatible with future versions of Brave. This ensures that you can update to newer versions without facing significant compatibility issues or loss of functionality.

D. Backward compatibility for Brave Browser means that if you are using version 1.29.81, it should be able to handle websites, extensions, and other features designed for previous versions of Brave. This ensures that users can upgrade to newer versions without losing access to their existing content or functionality.

E. **Release Notes**1.29.81.

### <https://brave.com/latest/>

### (Jul 7, 2023)

### Brave browser

* [Security] Fixed crash when signing message with invalid EIP-712 request data as reported on HackerOne by matseq. ([#30212](https://github.com/brave/brave-browser/issues/30212))
* Enabled support for EIP-1559 transactions on Optimism. ([#30776](https://github.com/brave/brave-browser/issues/30776))
* Updated label for “Reset and clear wallet data” under brave://settings/web3. ([#30005](https://github.com/brave/brave-browser/issues/30005))