

MOCK TEST

STUDENT NAME and SURNAME:

SUDENT ID: (album/index number)

TOPIC: **Public transport in Krakow**

DEADLINE: not applicable

CREATING A TEAM

1. Create a 3-person team. In exceptional cases, with the consent of the instructor, you can create a 2-person team.
2. Create a public (not private!!!) repository on GitHub related to the topic. Assign all team members to the repository as collaborators.
3. Divide all tasks (see Tasks List below) equally between team members. If a team member completes tasks that have not been assigned to them, they will not be graded.
4. Create a README.md file on GitHub in the main folder of the repository (if it has not been created earlier). Add a TEAM section to the file. Place in the created section, as a numbered list item, data of each team member:
 - a. First name and last name (according to the data on Moodle).
 - b. GitHub account name (make sure that in the GitHub account settings, each team member has their first name and last name entered, according to the data on Moodle).
 - c. Task numbers separated by commas (assigned to a team member to complete).

TASKS COMPLETION

1. Complete all tasks locally, on a university computer. Upload the task results to GitHub. You can use both Git commands in the terminal window and Git commands in VSCode.
2. Complete each task in a newly created branch. After completing the task, merge the branch with the main/master branch of the repository. Do not delete the branches you created. They are subject to assessment.
3. Complete the tasks and upload them to the remote repository on GitHub no later than deadline. Files modified after the deadline will not be considered for assessment.
4. On the Moodle platform, in the proper Test:
 - a. Copy-paste a link to the GitHub repository in Moodle.

- b. Copy-paste the last commit id of the repository (this number is made up of 40 characters, e.g. 3cd5240148b2e1d007ea0828c15612488a4dc18d; you can find this number on GitHub by viewing the commit list)
- c. Upload a copy of the repository in .zip format. You can download your repository as .zip directly from GitHub, for example (see the green Code button).

TASKS LIST

1. Create a valid .csv file (in the CSV folder) that contains 4 columns and 6 rows (including the header row). The data in the file should refer to the topic. Additionally, create an Excel spreadsheet file (in the CSV folder) to which import the data contained in the .csv file.
2. Create a valid .xml file (in the XML folder) that contains 6 elements, each of which consists of 4 elements. Do not use attributes. The data in the file should refer to the topic.
3. Create a valid .xml file (in the XML folder), as above. Add two attributes to each of the four elements. The data in the file should refer to the topic.
4. Create a valid .json file (in the JSON folder) that contains one element {}, which consists of 8 key-value pairs of data. In the values, use at least once each of the data types: str, int, float, bool, [], {}.
5. Create a valid .json file (in the JSON folder) that contains a list of 6 elements []. Each item in the list should contain 5 key-value pairs of data. The data in the file should refer to the topic.
6. Add in the README.md file:
 - a. INTRODUCTION section with 3 paragraphs. Each paragraph should contain at least 50 words and refer to the topic.
 - b. DATA section with two sentences describing the table content. Below, place a table with data. The table should contain a header row and three rows and four columns. The data in the table should refer to the topic.
 - c. IMAGES section with two images available on the Internet and one image located in the repository IMG folder (download the image from the Internet). All images should refer to the topic.