

INSTALLATION

- Watch the uploaded video for steps to install Python. We have uploaded resources on how to install python for both Windows and macOS. If any issues arise, feel free to contact the organisers.
- Downloadable installation files for Python are available at <https://www.python.org/>.

Text Editors/ IDEs

- We recommend using a text editor or IDE to make your development process smoother.
- You can use any text editor or IDE you are familiar with.
- If you have never used a text editor or IDE, we would recommend using Vscode. You can download Vscode from <https://code.visualstudio.com/>. Also install the Vscode extension for Python.

RESOURCES

- Watch all the videos provided in the resources. We would urge you to code along with the reference videos, change things up a bit and play around with the code to develop a deeper understanding of the concepts.
- To learn about input and output in python we would recommend checking out <https://www.geeksforgeeks.org/input-and-output-in-python/>.
- After you have gone through all the videos, try doing the tasks given below. If you face any difficulties feel free to contact the organisers, we will be happy to help you.

TASKS

- **NOTE:** Questions 2, 3 and 4 are conceptual questions. Write your answers against the question number in a text or doc file. For the programming questions, i.e., questions 1, 5, 6 and 7, make separate .py files for each question. Finally, put all the files in a zip folder and submit the zip folder.

Q1) Swap two variables with a single statement.

Q2) Choose the correct option

- i) Identifiers can start with digits.
- ii) Identifiers cannot have numeric values
- iii) Identifiers are case insensitive
- iv) Length is unlimited

Q3) Write the output of the following:

85//2

50/5

5.5%3

1 == True

Q4) Identify the keywords:

False, continue, value, def, class, function

Q5) Display the name and version of python using str.format method in print statement

Q6) Take an input from the user the number of days and by using if-else statements identify the cost that the member has to pay for the book he bought from the library.

Price Chart

Days	Rs
1-5 Days	10
06-10 Days	20
10-20 Days	30
20 + Days	40

Q7) Make a two-player rock, paper and scissors game. Take two inputs for each player and output the player who won or output draw in case of a draw.