## Task 1a

Identify the industry-standard integrated development environment (IDE) for Python. As a beginner, which IDE would you opt to use? Justify your answer

Answer:

According to the Python Developers Survey in 2021, the industry standard Integrated Development Environment is PyCharm. Although, Visual Studio Code is at least equally as popular but is not technically an IDE. It is also interesting to note that a majority of survey respondents use more than one editor, with VS code, Jupyter Notebook, and PyCharm being equally popular to use in addition to the main editor. (*Python Developers Survey 2021 Results*, 2021)

As a beginner, I would use PyCharm because it's a powerful IDE with a lot of powerful features built in. Even though it could initially be more complicated to learn, it is also an industry-standard, so it would be useful for me to learn how to use it for the future.

## References

*Python Developers Survey 2021 Results*. (2021). JetBrains: Developer Tools for Professionals and Teams. https://lp.jetbrains.com/python-developers-survey-2021/