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| **Computer Science 1** | **Exercises 03.02-04** | **Date:** |
| **Name:** | | **Period:** |

1. Since we are going to write Python programs in **jGRASP**, we needed to install both Python and **jGRASP** software. Why did we also need to install Java?

2. What does *IDE* stand for?

3. What are the 3 parts of an IDE?

4. What extension do Python files have?

5. Another word for “executing” a program is \_\_\_\_\_\_\_ a program.

**In questions 6 through 11 print the exact output of the program provided.**

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| --- | --- |
| 6. **print("Intro Computer Science")** | 7. **print("Intro")**  **print("Computer")**  **print("Science")** |
| 8. **print("Intro", end = " ")**  **print("Computer", end = " ")**  **print("Science")** | 9. **print("Intro", end = "")**  **print("Computer", end = "")**  **print("Science")** |
| 10. **print("Intro")**  **print( )**  **print("Computer")**  **print( )**  **print("Science")** | 11. **print("Intro\n\n")**  **print("Computer\n\n")**  **print("Science")** |

12. What does *crlf* stand for?

13. A well-documented program is easier to \_\_\_\_\_\_\_, \_\_\_\_\_\_\_, \_\_\_\_\_\_\_ and \_\_\_\_\_\_\_.

14. In Python, when you begin a line with a \_\_\_\_\_\_\_ the entire line is ignored by the computer.

15. What symbol is used to essentially create *multi-line comments* in Python?

16. Look at program **Comments01.py** and its output. Why does it not display “**Thirteen**”?

17. Look at program **Comments02.py** and its output. Why does it only display “**One**”, “**Two**”, “**Twelve**” and “**Thirteen**” and not display “**Three**” through “**Eleven**”?

18. What is a *string literal*?

19. Can comments be used to create a “heading” in your program?