

COP 2930 - Introduction to Computing

Day 4 - Suggested Exercises

Objectives:

1. Write a Python program that reads in information from the user,
2. and uses that information to make a calculation and present it to the user.

Make sure you place several comments throughout your code.

- 1) Write a program that asks the user for their hourly pay, the number of hours they work in a week, and the number of weeks they are working in the summer, as well as the cost of a single video game. Output the total number of video games they could buy, if they spent all of their earnings on video games, as well as the leftover money they would have. (The latter value must be strictly less than the cost of a game.) Assume all inputs are integers.
- 2) Write a program that calculates the number of pictures that can be stored on a thumb drive. Ask the user to enter the number of gigabytes of data the thumb drive can store, as well as the length and width of each picture, in pixels. Assume that each pixel takes 3 bytes of storage. (This isn't really the case, since most pictures are stored in a compressed format.) Output your answer as a whole number.