

GD5302 Introduction to Python

Exercise Questions

1. In the REPL, write a function to take in a name as input and print out the string "Hello " followed by the name.
2. In the REPL, ask the user to input their name and print out the first and last letters.
3. In the REPL, use a list to compute the sum of the first ten prime numbers. These are 2, 3, 5, 7, 11, 13, 17, 19, 23, 29.
4. Write a program that asks the user to input two numbers using the function **input**. It should then add them together and display the result. Then, save it in a file called **adder.py** and run it from the terminal.
5. Write a program that asks the user to input one number and their name and uses a **while-loop** to print their name that number of times. Then, save it in a file called **looper.py** and run it from the terminal.
6. The Beatles are staying in a hotel, and we want the computer to be able to route phone calls to them based on their names. For example, John is in room 214, Ringo in 543, George in 432, and Paul in 345. Using a dictionary, write a program that asks the user for one of their names and prints out the correct room number. Save it in a file called **room_numbers.py** and run it from the terminal.
7. Write a function that will print out the reverse of any string that is inputted into it. Below where you have declared it, ask the user to input a word. Then invoke the function to print out the reverse. Save it in a file called **reverse.py** and run it from the terminal.