



Python programming Basic coding exercises WEEK 1



Data Science
Academy

HOMEWORK



You are asked to provide answers for the following questions:

1. Create variable age equal to 32 and check its type.
2. Create variable height equal to 1.85 and check its type.
3. Create variables name and surname. Define them as 'your_name' and 'your_surname'.
4. Sum up name and surname variables. Define as ID.
5. Use indexing. Find last letter of 'your_name'.
6. Use slicing. Find 2nd and 3rd letters of 'your_surname'.
7. Create list as new_list. Include 3 4 5 6 7 integers.
8. Remove 5 from new_list.
9. Delete 2nd value of new_list.
10. Create tuple as new_tuple. Include 3 4 5 6 7 integers.
11. Change 4 in new_tuple to 8.
12. Calculate cube the list of new_tuple with 'for' function.

Optional questions

You may use following more difficult exercises to advance your coding skills.

1. Find the difference between age and 25, if the number is greater than 17 return the square of the difference.
2. Write a Python function to check number is positive, negative or zero.