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Lesson: Unit 2 – Python Dictionaries

1. Create a simple dictionary that stores 2 variables, for example: first and last name.

student\_1 = {'first\_name':'Namisha','last\_name':'Singh'}

print(student\_1['first\_name'])

print(student\_1['last\_name'])

1. Print out those variables stored in your previous dictionary.

Output:

Namisha

Singh

1. Add a message to those variables on printing: for example: “Hello, firstname lastname!”

student\_1 = {'first\_name':'Namisha','last\_name':'Singh'}

print(student\_1['first\_name'])

print(student\_1['last\_name'])

print("Hello, " + student\_1['first\_name']+ " " + student\_1['last\_name']+ "!")

Hello, Namisha Singh!

1. Create a dictionary that holds 2 key: value pairs:
   1. Look through your dictionary and print each pair,

student\_1= {

'name':'Namisha',

'lastname':'Singh',

'exam1':'94',

'homework':'100'

}

for key, value in student\_1.items():

print("\nKey: " + key)

print("\nValue " + value)

Output:

Key: name

Value Namisha

Key: lastname

Value Singh

Key: exam1

Value 94

Key: homework

Value 100

1. Create a nested dictionary containing three dictionaries – these dictionaries could be anything (favorite pets, travel locations, etc.)
   1. Loop through the dictionaries and print a message for each.

favorite\_food= {

'nasita': ['pizza','burgers','rice'],

'samantha':['mac and cheese','pineapples','pasta'],

'yasmeen':['bagel','salad','burritos']

}

for name, foods in favorite\_food.items():

print("\n" + name.title()+ " " + "loves these foods:")

for food in foods:

print("-" + food.title())

Output:

Nasita loves these foods:

-Pizza

-Burgers

-Rice

Samantha loves these foods:

-Mac And Cheese

-Pineapples

-Pasta

Yasmeen loves these foods:

-Bagel

-Salad

-Burritos