Unit 1-3 Pre-Review

**Name:**

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| --- |
| Jonathan Klein |

**Directions:**

*Complete this activity to the best of your ability, WITHOUT looking anything up. (Do not use internet searches, previous slides, or previously written code)*

*Submit to classroom when you are finished.*

**Unit 1**

Write your name as a comment

|  |
| --- |
| # Jon |

Set a variable x to a literal constant

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| X = 0 |

Set a variable y to a different literal constant

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| --- |
| Y = 1 |

Set a variable ‘myName’ to a string of your name

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| --- |
| myName = ‘Jon’ |

Set a variable ‘question’ to a question of your choice that includes an escape character

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| --- |
| question = ‘What\’s you\’re name?’ |

Write print statements that will print all of the above variables

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| --- |
| print(x, y, myName, question) |

Write an if statement that checks a condition of your choice

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| --- |
| if not running:  print(‘program ended’) |

Write an if/elif statement that checks a condition of your choice

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| --- |
| if not running:  print(‘program ended’)  else:  print(‘program currently active’) |

Write an if/elif/else statement that checks a condition of your choice

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| --- |
| if color == ‘blue’:  print(‘Colour is blue’)  elif color == ‘red’:  print(‘Colour is red’)  else:  print(‘Colour is neither blue nor red’) |

Write a while loop that checks a condition of your choice

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| --- |
| While a < 10:  print(a)  a += 1 |

Write a for..in loop that runs as many times as you’d like

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| --- |
| for i in range(10):  print(i) |

Write a for..in loop that increments by 2

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| --- |
| for i in range(1, 10, 2):  print(i) |

**Unit 2**

Define a function that prints your name

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| --- |
| def printName():  print(‘Jon’) |

Define a function that prints your name passed as a parameter

Call that function

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| --- |
| def name(intake):  print(intake)  name(‘Jon’) |

Define a function that takes two integers as parameters and prints the larger integer

Call that function

|  |
| --- |
| def maxNum(a, b):  num1 = int(a)  num2 = int(b)  if num1 > num2:  print(f’{num1} is larger than {num2}’)  elif num2 > num1:  print(f’{num1} is larger than {num2}’)  else:  print(f’{num1} and {num2} are equal in value.’) |

**Unit 3**

Create a list with three items

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| myList = [2, 4, 8] |

Create a tuple with three items

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| --- |
| myTuple = (16, 32, 64) |

Create a dictionary with three items

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| --- |
| myDict = {‘Mark’ : [markdinosaur2121@gmail.com](mailto:markdinosaur2121@gmail.com),  ‘Sabrina’ : [sabrinasombrero5678@gmail.com](mailto:sabrinasombrero5678@gmail.com),  ‘Anthony’ : [anthonyanteater1101@hotmail.com](mailto:anthonyanteater1101@hotmail.com)} |