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| **Program 01** |
| **Output** |
| ====== RESTART: /Users/biniamlemma/Desktop/CSCI 2061/Assn 02/assn2\_1.py ======  a and b are 5 and 3  a divided by b is 1.6666666666666667  a divided by b but rounded to two places is 1.67  a divided by b using integer division is 1  a modulus is 2  >>> |
| **Source Code** |
| def main():  a = 5  b = 3  c = a/b  d = round(a/b, 2)  e = a//b  f = a%b  print("a and b are ", a, " and ", b)  print("a divided by b is ", c)  print("a divided by b but rounded to two places is ", d)  print("a divided by b using integer division is ", e)  print("a modulus is ", f)    if \_\_name\_\_ == "\_\_main\_\_":  main() |

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| **Program 02** |
| **Output** |
| ====== RESTART: /Users/biniamlemma/Desktop/CSCI 2061/Assn 02/assn2\_2.py ======  First a tuple!  <class 'tuple'> ('one', 'two', 'three', 'four')  tuple sorted: ['four', 'one', 'three', 'two']  Next a list.  <class 'list'> [3.3, 1.1, 2.2]  list with two new values inserted! [0.0, 3.3, 1.1, 2.2, 4.4]  list sorted: [0.0, 1.1, 2.2, 3.3, 4.4]  And last but not least, a dictionary!  <class 'dict'> {33333333: 'Carol Carolson', 22222222: 'Bill Billson', 11111111: 'Ann Annson'}  dictionary sorted:  11111111 Ann Annson  22222222 Bill Billson  33333333 Carol Carolson  >>> |
| **Source Code** |
| def main():  t = ('one', 'two', 'three', 'four')  l = [3.3, 1.1, 2.2]  d = { 33333333: 'Carol Carolson', 22222222: 'Bill Billson', 11111111: 'Ann Annson' }    print("First a tuple! ")  print(type(t), t)    print("tuple sorted: ", sorted(t))  print("\nNext a list. ")  print(type(l), l)  l.append(4.4)  l.insert(0, 0.0)  print("list with two new values inserted! ", l)  print("list sorted: ", sorted(l))  print("\nAnd last but not least, a dictionary! ")  print(type(d), d)  print("dictionary sorted: ")  for k in sorted(d.keys()):  print(k, d[k])    if \_\_name\_\_ == "\_\_main\_\_":  main() |

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| **Program 03** |
| **Output** |
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| **Source Code** |
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| **Program 04** |
| **Output** |
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| **Source Code** |
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| **Program 05** |
| **Output** |
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| **Source Code** |
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