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| **Program 01** |
| **Output** |
| ==== RESTART: /Users/biniamlemma/Desktop/CSCI\_2061/Assn\_06/Assn\_part1.py ====  1  6  0  15  >>> |
| **Source Code** |
| # CSCI 2061, Assignment 06, Problem 04  # Biniam Lemma  # This program generates days in the monts  # main function  def main():  add(1)  add(1,2,3)  add()  add(1,2,3,4,5)  # 'add' function that take any number of arguments and returns their sum  def add(\*args):  ret = 0  for n in args:  ret = ret + n  print(ret)    if \_\_name\_\_ == "\_\_main\_\_":  main() |

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| **Program 02** |
| **Output** |
| >>>  ==== RESTART: /Users/biniamlemma/Desktop/CSCI\_2061/Assn\_06/Assn\_part2.py ====  10  7  5  3  2  >>> |
| **Source Code** |
| # CSCI 2061, Assignment 06, Problem 04  # Biniam Lemma  # This program generates days in the monts  # main function  def main():  print( add(1,2,3,4) )  print( add(1,2,3) )  print( add(1,2) )  print( add(1) )  print( add())  # 'add' function that sum and return all arguments passed to it  def add(first = None, second = None, thrid = 1, fourth = 1):  ret = 0    if first == None and second == None:  ret = thrid + fourth  elif second == None:  ret = first + thrid + fourth  else:  ret = first + second + thrid + fourth  return ret    if \_\_name\_\_ == "\_\_main\_\_":  main() |

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| **Program 03** |
| **Output** |
| >>>  ==== RESTART: /Users/biniamlemma/Desktop/CSCI\_2061/Assn\_06/Assn\_part3.py ====  The highest score was: ann 100  The highest score was: ann 100  The highest score was: ann 100  >>> |
| **Source Code** |
| # CSCI 2061, Assignment 06, Problem 04  # Biniam Lemma  # This program generates days in the monts  # main function  def main():  highScore( ann = 100, bob = 90, carol = 80, dave = 70)  highScore( ann = 100, bob = 90, carol = 80, dave = 70, ed = 69)  highScore( ann = 100, bob = 90)    # 'highScore' function that print the highest score  def highScore(\*\*kwargs):  name = ""  score = 0    for k in kwargs:  if score < kwargs[k]:  name = k  score = kwargs[k]    print("The highest score was: ", name, kwargs[name])  print()    if \_\_name\_\_ == "\_\_main\_\_":  main() |

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| **Program 04** |
| **Output** |
| >>>  ==== RESTART: /Users/biniamlemma/Desktop/CSCI\_2061/Assn\_06/Assn\_part4.py ====  30  31  30  =====  31  28  31  30  31  30  31  31  30  31  30  31  >>> |
| **Source Code** |
| # CSCI 2061, Assignment 06, Problem 04  # Biniam Lemma  # This program generates days in the monts  # main program  def main():  for i in monthDays(3, 3):  print(i)  print("=====")    for i in monthDays():  print(i)    # generator function  def monthDays(start = 0, months = 12):  i = start  monthIndex = i + months  days = 31    while i < monthIndex:  if i == 1:  days -= 3  yield days  days += 3  elif i == 3 or i == 5 or i == 8 or i == 10:  days -= 1  yield days  days += 1  else: yield days  i+=1      if \_\_name\_\_ == "\_\_main\_\_":  main() |

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| **Program 05** |
| **Output** |
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| **Source Code** |
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