```
xs = range(10)
        POINTS
                                                                  ys = range(xs[1], xs[2])
                                                                  print(sum(ys))
  Full Name
                                                                  A. 3 B. 23 C. 0 D. Error E. None F. 1
  Section & Subsection
  Roll #
                                                               8. (\frac{1}{2} \text{ point}) What is the result of the following code
                                                                  def g(x):
1. (\frac{1}{2} \text{ point}) What is the result of the following code?
                                                                       return x % 2 == 1
  xs = range(3)
                                                                  def f(x):
  x = sum(xs)
                                                                       s = 0
  y = sum(xs)
                                                                       for i in range(x):
                                                                            if g(i):
  print(x, y)
                                                                                 s = s + i
                                                                       return s
  A. None None
                    B. Error
                                 C. 33
                                            D. 4
                                                     E. 30
                                                                  print(f(1), f(6))
  F. 3 None G. 6
                                                                  A. 09 B. 6, 0
                                                                                    C. 0, 6
                                                                                                 D. 16
                                                                                                          E. 0
                                                                                                                  F. Error
2. (\frac{1}{2} \text{ point}) What is the result of the following code?
                                                                  G. s H. None
  xs = range(3)
                                                               9. (\frac{1}{2} point) What is the result of the following code
  ys = range(2)
                                                                  x = 4
  print(xs + ys)
                                                                  def f(x):
              B. [0, 1, 2, 0, 1]
                                        C. Error
                                                                       for i in range(x):
  A. 5
                                                       D. 3
  E. [[0, 1, 2], [0, 1]]
                                                                            if i % 3 == 1 or i % 5 == 1:
                                                                                 return i
3. (2 points) The below function tries to flatten a nested list. For
                                                                            print(i, end=" ")
  an input: [[1, 2, 3], [4], 5, 5.5, False], the expected
                                                                  print(f(1), f(5))
  output is [1, 2, 3, 4, 5, 5.5, False]. Identify the error
  in the following function and write the corrected function.
                                                                  A. None None None
                                                                                                             B. 0 0 None 1
                                                                  C. Syntax Error D. 0 None 1 None E. 1 1 1 1 F. 0 0
   def flatten_list(l):
       out = []
                                                              10. (\frac{1}{2} \text{ point}) What is the result of the following code?
       for item in 1:
                                                                  x = 10
             for subitem in item:
                                                                  y = 5
                  out.append(subitem)
                                                                  x = [x]
       return out
                                                                  x = [x] + x + [x]
                                                                  z = [x, y]
4. (\frac{1}{2} \text{ point}) What is the output of the following program?
                                                                  print(z)
  Explain.
                                                                  A. [[10], [10], [10], 5]
                                                                                               B. [[[10], 10, [10]], 5]
  x = 0.3
                                                                                D. [[10], [10], [10], [5]]
                                                                  C. Error
  y = x==0.2 + 0.1
                                                                  F. [[10], [10], [10]], 5] G. [10, 10, 10, 5]
  print(y)
                                                              11. (1 point) What is the output of the following program?
5. (\frac{1}{2} \text{ point}) What is the result of the following code?
                                                                 Explain.
  x = 10.0
                                                                    def f(x):
   for x in range(2):
                                                                         def g(y):
       print(x, end=",")
                                                                              x.append(y)
       x = x + 1
                                                                         return g
       print(x, end=",")
                                                                    xs = []
                                                                    h = f(xs)
  A. 10,10,10,10,
                     B. 10,11,12,13
                                            C. 10, 10, 10, 10
                                                                    for i in range (1, 5):
  D. 0,1,1,2, E. 0,1,1,2
                                                                         h(i)
                                                                    print(xs)
6. (\frac{1}{2} \text{ point}) What is the result of the following code?
                                                              12. (\frac{1}{2} \text{ point}) What is the result of the following code?
   def f(x):
     return x[1:]
```

xs = range(3)

ys = list(xs) + list(xs)

C. None

D. Error

E. 4

print(sum(ys[1:4]))

A. 3 B. 5 C. F. None None None G. 6

7. $(\frac{1}{2} \text{ point})$ What is the result of the following code?

A. llo lo B. O 1 C. ello ello D. None E. llo llo

def g(x):

z = "hello"

return f(x[1:])

F. Error G. ello llo H. 12

print(f(z), g(z))