#1

*def* a():

return 5

print(a())

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| A() | 5 |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |

Ans 5

#2

*def* a():

return 5

print(a()+a())

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| A() | 5 |  |  |  |  |  |  |  |  |
| a()+a() | 10 |  |  |  |  |  |  |  |  |

Ans 10

#3

*def* a():

return 5

return 10

print(a())

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| A() | 5 |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |

Ans 5

#4

*def* a():

return 5

print(10)

print(a())

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| A() | 5 |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |

Ans 5

#5

*def* a():

print(5)

x = a()

print(x)

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |  |  |
| X  A() | A()  5 |  |  |  |  |  |  |  |  |

Ans 5

#6

*def* a(b,c):

print(b+c)

print(a(1,2) + a(2,3))

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| A(1,2) | 1+2=3 | a(2,3) | 2+3=5 |  |  |  |  |  |  |
|  |  | 3+5=8 |  |  |  |  |  |  |  |

Ans 8

#7

*def* a(b,c):

return str(b)+str(c)

print(a(2,5))

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |

Ans 25

#8

*def* a():

b = 100

print(b)

if b < 10:

return 5

    else:

        return 10

return 7

print(a())

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| B | 100 |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |

Ans 100, 10

#9

*def* a(b,c):

if b<c:

return 7

else:

return 14

return 3

print(a(2,3))

print(a(5,3))

print(a(2,3) + a(5,3))

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |

Ans 7,14,21

It easy to guess so I gonna do t-diagram in my mind

#10

*def* a(b,c):

return b+c

return 10

print(a(3,5))

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |

Ans 8

#11

b = 500

print(b)

*def* a():

b = 300

print(b)

print(b)

a()

print(b)

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |

Ans 500,500,300,500

#12

b = 500

print(b)

*def* a():

b = 300

print(b)

return b

print(b)

a()

print(b)

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |

Ans 500,500,300,500

#13

b = 500

print(b)

*def* a():

b = 300

print(b)

return b

print(b)

b=a()

print(b)

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |

Ans 500,500,300,300

#14

*def* a():

print(1)

b()

print(2)

*def* b():

print(3)

a()

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |

Ans 1,3,2

#15

*def* a():

print(1)

x = b()

print(x)

return 10

*def* b():

print(3)

return 5

y = a()

print(y)

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |

Ans 1,3,5,10