	0	
	O 1 O array([[-1,-1],[1,1]])	
	O array([0,2])	
	Correct Correct! The given code creates two Numpy arrays, a and b, and then calculates their dot product using np.dot (a, b).	
2.	How do you perform matrix multiplication on the Numpy arrays A and B ?	1/1 point
	○ A - B○ A*B	
	np.dot(A,B)A + B	
	 ✓ Correct Correct! The dot method is used to multiply the two arrays. 	
3.	If you run the following lines of code, what values will the variable 'out' take?	1/1 point
	X=np.array([[1,0,1],[2,2,2]]) out=X[0:2,2]	
	array([1,2])	
	O array([0,2])	
	O array([1,1]) O array([1,0])	
	 Correct Correct! The first index corresponds to the rows; the second index corresponds to the columns. 	
4.	If you run the following lines of code, what values will the variable 'out' take? X=np.array([[1,0],[0,1]])	1/1 point
	Y=np.array([[2,2],[2,2]]) Z=np.dot(X,Y)	
	O array([[1,0],[0,1]]) O array([[2,0],[0,2]])	
	array([[3,2],[2,3]])array([[2,2],[2,2]])	
	 ✓ Correct Correct! The dot function corresponds to matrix multiplication. 	
5.	Consider the following text file: Example1.txt :	1/1 point
	This is line 1 This is line 2	
	This is line 3 What is the output of the following lines of code?	
	with open("Example1.txt","r") as file1: file_stuff=file1.readline()	
	print(file_stuff)	
	Syntax errorThis is line 1	
	This is line 2	
	This is line 3 This is line 1	
	This is line 2 This is line 1	
	 ✓ Correct Correct! The open method helps to read a file. 	
6.	What do the following lines of code do?	1/1 point
	with open("Example1.txt","r") as file1: FileContent=file1.read()	
	print(FileContent)	
	Read the file "Example1.txt"	
	Write to the file "Example1.txt" Append the file "Example1.txt"	
	 ○ Convert the contents of the file to a binary format ○ Correct 	
	Correct! The mode is set to 'r' for read.	
7.	What do the following lines of code do?	1/1 point
	with open("Example.txt","w") as writefile: writefile.write("This is line A\n")	
	writefile.write("This is line B\n")	
	Read the file "Example.txt"	
	Write to the file "Example.txt" Append the file "Example.txt"	
	Create a binary file "Example.txt"	
	Correct! The mode of the function is 'w' for write.	
-		
8.	What task do the following lines of code accomplish? with open('Example2.txt','r') as readfile:	1/1 point
	with open('Example3.txt','w') as writefile: for line in readfile: writefile.write(line)	
	Printing out the content of Example2.txt Copying the text from Example2.txt to Example3.txt	
	Checking the mode of the open function for each file object	
	Reading the content of Example2.txt Correct	
	Correct! This is the expected outcome.	
9.	Given the dataframe df, how can you retrieve the element in the first row and first column?	1/1 point
	O df.iloc[2,1]	

oint O df.iloc[1,2] df.iloc[0,0] O df.iloc[0,1] **⊘** Correct Correct! Indexing begins at 0 in Python.

1/1 point

10. What function would you use to load a CSV file in Pandas? O pd.load_csv(path)

np.read_csv(path) pd.read_excel(path) pd.read_csv(path)

> **⊘** Correct Correct! The read method will read the CSV file in Pandas.