Mini Test-1

Q1. Correct syntax of the reshape() function in Numpy array python is -

1. np.array.reshape(shape)
2. np.reshape(shape,array)
3. np.reshape(array,shape)
4. np.reshape(shape)

Answer: - C

Q2. How do we install Numpy in the system ?

1. install numpy
2. pip install python numpy
3. pip install numpy
4. pip install numpy python

Answer: - C

Q3. Which numpy function is used to find the indices of the maximum value along an axis?

1. np.max()
2. np.argmax()
3. np.maximum()
4. np.amax()

Answer: B) np.argmax()

Q4. Which of the following is used to convert the list data type to the Numpy array ?

1. array(list)
2. array.list
3. Numpy.array(list)
4. None of the above

Answer: - C

Q5. What gets printed?

import numpy as np

ary = np.array([1,2,3,5,8])

ary = ary + 1

print (ary[1])

A. 4

B. 3

C. 2

D. 1

Answer: - B

Q6. Choose the correct output of the following code:

import numpy as np

a = np.array([1,2,3,5,8])

b = np.array([0,3,4,2,1])

c = a + b

c = c\*a

print (c[2])

A. 7

B. 12

C. 10

D. 21

Answer: - D

Q7. What will be the Output for the Code:

import numpy as np

a = np.zeros(6)

b = np.arange(0,10,2)

c = a + b

print (c[4])

A. 0

B. 8

C. 3

D. An Exception is thrown

Answer: - D

Q8. Fill in the blank such that sample\_array prints the following output:

import numpy as np

sample\_array = \_\_\_

sample\_array

Output: array([1, 2, 3])

A. array([1, 2, 3])

B. np.array([1, 2, 3])

C. np.array(1, 2, 3)

D. numpy.array[1, 2, 3]

Answer: - B

Q9. What is the output:

arr = np.array([2, 3, 4])

result = np.prod(arr)

A) 2

B) 3

C) 4

D) 24

Answer: D

Q10. What does np.random.rand(3, 4) return in numpy?

1. An array with random floats in the interval [0, 1) of shape (3, 4)
2. An array with random integers between 0 and 3 of shape (4,)
3. An array with random integers between 0 and 3 of shape (3, 4)
4. An error

Answer: A) An array with random floats in the interval [0, 1) of shape (3, 4)