Quiz - 1 (IBM Professional Readiness Program) Artificial Intelligence

Email *

gayathritamil2702@gmail.com

Student Name *

GAYATHIRI.T

Student College Name *

GOVERNMENT COLLEGE OF ENGINEERING, ERODE

Student Contact Number *

8637496154

Student Group *

Group - 3 ▼

Which of the following is not a valid Python data type? *

◯ float

◯ string

◯ list

◉ double

What is the output of the following code snippet?   nums = [1, 2, *
3, 4, 5]

What is the output of the following code snippet?   nums = [1, 2, *

3, 4, 5]
print(nums[1:3])

○ [1, 2, 3]

○ [2, 3, 4]

◉ [2, 3]

○ [1, 3]

What is the output of the following code snippet? *

x = [1, 2, 3]
y = x
y.append(4)
print(x)

◉ [1, 2, 3, 4]

○ [1, 2, 3]

○ [4, 3, 2, 1]

○ Error

What is the output of the following code snippet? *

import numpy as np
arr = np.array([1, 2, 3])
print(arr.ndim)

◉ 1

○ 2

○ 3

○ 4

What is the output of the following code snippet? *

import numpy as np
arr = np.array([1, 2, 3])
print(arr.dtype)

◉ int

○ float

○ str

○ None of the above

What is the output of the following code snippet? *

```
import numpy as np
arr = np.zeros(5)
print(arr)
```

- ⦿ [0, 0, 0, 0, 0]
- ◯ [1, 1, 1, 1, 1]
- ◯ [5, 5, 5, 5, 5]
- ◯ None of the above

Which of the following is a library in Python used for data manipulation and analysis? *

- ◯ Numpy
- ◯ Scipy
- ◯ Matplotlib
- ⦿ Pandas

What is the output of the following code snippet? *

```
import pandas as pd
data = {'name': ['Alice', 'Bob', 'Charlie'], 'age': [25, 30, 35]}
df = pd.DataFrame(data)
print(df['name'])
```

- ⦿ [Alice, Bob, Charlie]
- ◯ [25, 30, 35]
- ◯ Alice
- ◯ None of the above

What is the output of the following code snippet? *

```
import pandas as pd
data = {'name': ['Alice', 'Bob', 'Charlie'], 'age': [25, 30, 35]}
df = pd.DataFrame(data)
df = df.drop(1)
print(df)
```

- ⦿ Deletes the second row from the DataFrame df
- ◯ Deletes the second column from the DataFrame df
- ◯ Raises an error as the index '1' does not exist in the DataFrame df

○ Numpy

○ Scipy

○ Matplotlib

◉ Pandas

What is the output of the following code snippet?   *

```
import pandas as pd
data = {'name': ['Alice', 'Bob', 'Charlie'], 'age': [25, 30, 35]}
df = pd.DataFrame(data)
print(df['name'])
```

◉ [Alice, Bob, Charlie]

○ [25, 30, 35]

○ Alice

○ None of the above

What is the output of the following code snippet?   *

```
import pandas as pd
data = {'name': ['Alice', 'Bob', 'Charlie'], 'age': [25, 30, 35]}
df = pd.DataFrame(data)
df = df.drop(1)
print(df)
```

◉ Deletes the second row from the DataFrame df

○ Deletes the second column from the DataFrame df

○ Raises an error as the index '1' does not exist in the DataFrame df

○ None of the above

Which function is used in Pandas to check for null values in a DataFrame? *

◉ pd.isnull()

○ pd.notnull()

○ pd.fillna()

○ pd.dropna()