Mini Test-1

Q1. Given a DataFrame df with columns 'A', 'B', and 'C', how do you create a new column 'D' which is the sum of columns 'A' and 'B'?

A. df['D'] = df.A + df.B

B. df['D'] = df['A'] + df['B']

C. df['D'] = df[A] + df[B]

D. Both A and B

Answer: D

Q2. How do you filter rows in a DataFrame df where the value in column 'A' is greater than 10?

A. df[df.A > 10]

B. df.iloc[df['A'] > 10]

C. df.loc[df['A'] > 10]

D. Both A and C

Answer: D

Q3. What does df.info() do?

A. shows count

B. shows mean

C. shows minimum

D. shows percentile

Answer: A

Q4. Given a DataFrame df with columns 'A' and 'B', how do you sort the DataFrame by column 'A' in descending order?

A. df.sort('A', descending=True)

B. df.sort\_values('A', ascending=False)

C. df.order\_by('A', ascending=False)

D. df.sort\_index('A', ascending=False)

Answer: B

Q5. Given a DataFrame df with columns 'A', 'B', and 'C', how do you remove duplicate rows based on the values in column 'A'?

A. df.drop\_duplicates()

B. df.drop\_duplicates(subset='A')

C. df.drop\_duplicates(columns='A')

D. df.remove\_duplicates('A')

Answer: B

Q6. How do you remove duplicate rows(entire row is duplicated) in a DataFrame df?

A. df.drop\_duplicates()

B. df.remove\_duplicates()

C. df.delete\_duplicates()

D. df.clear\_duplicates()

Answer A

Q7. How do you rename a column 'old\_name' to 'new\_name' in a DataFrame df?

1. df.columns['old\_name'] = 'new\_name'
2. df.columns.rename('old\_name', 'new\_name')
3. df.rename(columns={'old\_name': 'new\_name'})
4. df.rename\_column('old\_name', 'new\_name')

Answer: C

Q3. What does df.describe() do?

A. shows count

B. shows mean

C. shows minimum

D. allof the above

Answer: D

Q9. What does df[2:9] do ?

A. prints df with index 2 to 9, including 9

B. prints df with index 2 to 8, but not 9

C. prints df with index 2 and 9 only

D. None of the above

Answer B

Q10. What doe

df['company'] = "Lucent Technologies"

do?

1. Creates a column company with all values Lucent Technologies
2. Creates a row with all values Lucent Technologies
3. Return a error
4. Creates a variable company and assign it value Lucent Technologies

Answer A