Score: **68%**

No. of questions: **10**

Correct answer: **8**

Incorrect answer: **2**

Show incorrect attempt only ⬤▮

Question 1 ✓   1 Mark

How to print last 5 rows of the dataframe (df)?

(Click here (/uploads/machine-learning/content_media/data_python_csv.zip) to download the zip file to answer the question).

A	df.head(-5)

B	df.tail(5) ✓

C	df.tail(-5)

D	df.head(5)

Correct Answer: B. df.tail(5)

.tail() prints the rows from the last. So, .tail(5) will print last 5 rows from the dataframe.

Question 2 ✓   2 Marks

Indexing in pandas starts with 0.

| A | True | ✓ |

| B | False |

Correct Answer: A. True

Indexing in pandas always starts from 0.

Question 3 ⊗

3 marks

How can you access the element present at the 25th row of 5th column?

(Click here (/uploads/machine-learning/content_media/data_python_csv.zip) to download the zip file to answer the question).

| A | df.iloc[25:26,3:4] |

| B | df.iloc[24,4] | ⊗ |

| C | df.iloc[24:25,4:5] |

| D | Option A and B |

| E | Option B and C both |

Correct Answer: E. Option B and C both

If you try df.iloc[24,4] and df.iloc[24:25,4:5] in python, it will return the element at 25th row of 5th column.

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Question 4 ✓

1 Mark

How can you print only the "Gender" column of the dataframe (df)?

(Click here (/uploads/machine-learning/content_media/data_python_csv.zip) to download the zip file to answer the question).

A	Gender.df

B	df['Gender']	✓

C	print ('Gender')

D	Gender.head()

Correct Answer: B. df['Gender']

df['Gender'] is the right syntax in python to print the column named "Gender".

Question 5 ✓

2 Marks

How can you subset a dataframe (df) having Gender as "Male"?

(Click here (/uploads/machine-learning/content_media/data_python_csv.zip) to download the zip file to answer the question).

A	df[df['Gender']=='Male']	✓

B	df['Gender']==Male

C	print (df['Gender']==Male)

D	df[df['Gender']=Male]

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Correct Answer: A. df[df['Gender']=='Male']

df[df['Gender']=='Male'] is the only correct syntax out of all the options which will return the subset of dataframe having gender as "Male".

Question 6 ✅

3 marks

Suppose you want to access that part of dataframe(df) for which the Age value is equal to 25. How can it be done?

(Click here (/uploads/machine-learning/content_media/data_python_csv.zip) to download the zip file to answer the question).

A	df['Age']=25

B	df[df['Age']==25]	✅

C	df['Age]==25

D	df[df['Age']=25]

Correct Answer: B. df[df['Age']==25]

df[df['Age']==25] is the correct syntax to access the part of dataframe for which the Age value is equal to 25.

Question 7 ✅

1 Mark

To print first 10 rows of the dataframe (df), which of the following code can be used?

(Click here (/uploads/machine-learning/content_media/data_python_csv.zip) to download the zip file to answer the question).

B	df.head(rows=10)

C	df.head(10)	✓

D	df.10

Correct Answer: C. df.head(10)

.head() prints first 5 rows of the data and to print the first 10 rows, we can use .head(10).

Question 8 ✓

2 Marks

Which of the following syntax can be used to select the first 5 rows of a dataset(df)?

(Click here (/uploads/machine-learning/content_media/data_python_csv.zip) to download the zip file to answer the question).

A	df.iloc[:5]	✓

B	df.iloc[5:]

C	df.iloc[:,:5]

D	df.iloc[:,5:]

Correct Answer: A. df.iloc[:5]

df.iloc[5:] will select all the rows after row 5.
df.iloc[:,:5] will select the first 5 columns.
df.iloc[:,5:] will select all the columns after column 5.
df.iloc[:5] will select the first 5 rows.

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How can you select only the 'Dependents' and 'Education' variable?

(Click here (/uploads/machine-learning/content_media/data_python_csv.zip) to download the zip file to answer the question).

| A | df.iloc[3:5,:] |

| B | df.loc[:,['Dependents','Education']] | ⊗ |

| C | df.iloc[:,3:5] |

| D | Option A and C |

| E | Option B and C |

Correct Answer: E. Option B and C

Passing the names of the columns as df.loc[:,['Dependents','Education']] will select these two columns. Also, 'Dependents' and 'Education' are the fourth and fifth columns respectively in the file provided and hence, df.iloc[:,3:5] will select these two columns.

Question 10 ✅   1 Mark

How can you read the downloaded file (data_python.csv) using pandas library in python (pandas is imported as pd)?

(Click here (/uploads/machine-learning/content_media/data_python_csv.zip) to download the zip file to answer the question).

| A | df=pd.read_csv("data_python.csv") | ✅ |

| B | df=pd.read("data_python.csv") |

| C | df=read_csv("data_python.csv") |

| D | df=pd.read.csv("data_python.csv") |

Correct Answer: A. df=pd.read_csv("data_python.csv")

read_csv() function of pandas is used to read csv files in python.

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