Project Based Viva Questions

INFORMATICS PRACTICES

Q1. What is your project about?

Ans.

1. Project Title
2. Project Objective
3. Technology stack used-
    a. Python- list of libraries used and functions of libraries
    b. MySQL
4. Methodology – Downloaded CSV file from net, transported data from CSV file to DataFrame, Performed operations on DataFrame, Transported data from DataFrame to CSV file

Q2. What is the need of transporting data from CSV to dataframe and vice versa?

Ans. It is because we can perform different kind of operations can be easily performed using dataframes.

Q3. What is the meaning of – while True loop?

Ans. While-True loop is an infinite loop because it does not have any condition. It will run endlessly. To end this loop we have used BREAK statement.

We have used this loop because we do not know how many times the user is going to execute a particular operation. We can use other loop also like if there are 7 options in our menu we can use

While choice>=1 and choice<=7

Q4. From where have you taken CSV file?

Ans We have downloaded it from Kaggle.com

Q5. How do you read data from CSV file to dataframe?

Ans. Dataframe=pd.read_csv("IndianFood.CSV")

Q6. How do you write data from dataframe to CSV file?

Ans. Dataframe.to_csv("IndianFood.csv")

Q7. What all operations are you performing on the dataframe?

Ans

1. Add Data
2. Modify Data
3. Delete Data
4. Search Data
5. Visualize Data
6. Analyse Data

Q8. What is the purpose of –

Commands	Explanation
inplace=True	Perform the changes in the same dataframe, do not create a new dataframe
countrec=IndianFood.shape[0]	this will give total number of rows present in the database
IndianFood.loc[IndianFood['diet']==die].cook_time	This will display cook_time of those records where the "diet" column has values equal to die. Here die is a value inputted by the user. This will first filter all the records where the "diet" column of dataframe df1 has value equal to die. Then it will display cook_time of those records.

Another example

```
import pandas as pd
d1={"ItemName":pd.Series(["Pen","Pencil",
"Copy","Eraser", "Scale"]),
     "Quantity":pd.Series([40,42,35,50,75])}
df1=pd.DataFrame(d1)
print(df1)
print(df1.loc[df1['Quantity']==50].ItemName)
```

```
  ItemName  Quantity
0      Pen        40
1   Pencil        42
2     Copy        35
3   Eraser        50
4    Scale        75

3    Eraser
```