* Develop query to get data from Mongodb
* Develop Python core logic to get data from Mongodb
* Develop core logic to send email
* Invoke the function to send email
* Validate the emails sent
* Review Exception Handling
* Review Application Logs

1. Which Python library can be used to send emails via SendGrid?

a) smtplib

b) email

c) sendgrid

d) requests

Answer: c) sendgrid

1. Which database is commonly used with Python for storing data?

a) MySQL

b) PostgreSQL

c) MongoDB

d) All the above

Answer: d) All the above

1. Which library in Python is used to interact with MongoDB?

a) pymongo

b) mysql-connector

c) psycopg2

d) sqlite3

Answer: a) pymongo

1. To connect to a MongoDB database in Python, you need to provide the following information:

a) Database name only

b) Collection name only

c) Host and port number

d) Username and password

Answer: c) Host and port number

1. Which method is used to retrieve data from a MongoDB collection in Python?

a) get()

b) find()

c) retrieve()

d) fetch()

Answer: b) find()

1. Which Python module can be used to send emails?

a) email

b) smtplib

c) email.mime

d) sendgrid

Answer: b) smtplib

1. Which method is used to send an email using the smtplib module?

a) send()

b) mail()

c) sendmail()

d) compose()

Answer: c) sendmail()

1. What is the purpose of exception handling in Python?

a) To terminate the program execution

b) To handle and recover from errors

c) To display error messages

d) To improve program performance

Answer: b) To handle and recover from errors

1. Which statement is used to log messages in Python?

a) log()

b) print()

c) write()

d) logging.info()

Answer: d) logging.info()

1. How can you validate if an email was successfully sent?

a) Check the return value of the sendmail() function

b) Verify the email in the sent folder of the email client

c) Monitor the SMTP server logs

d) All of the above

Answer: d) All of the above