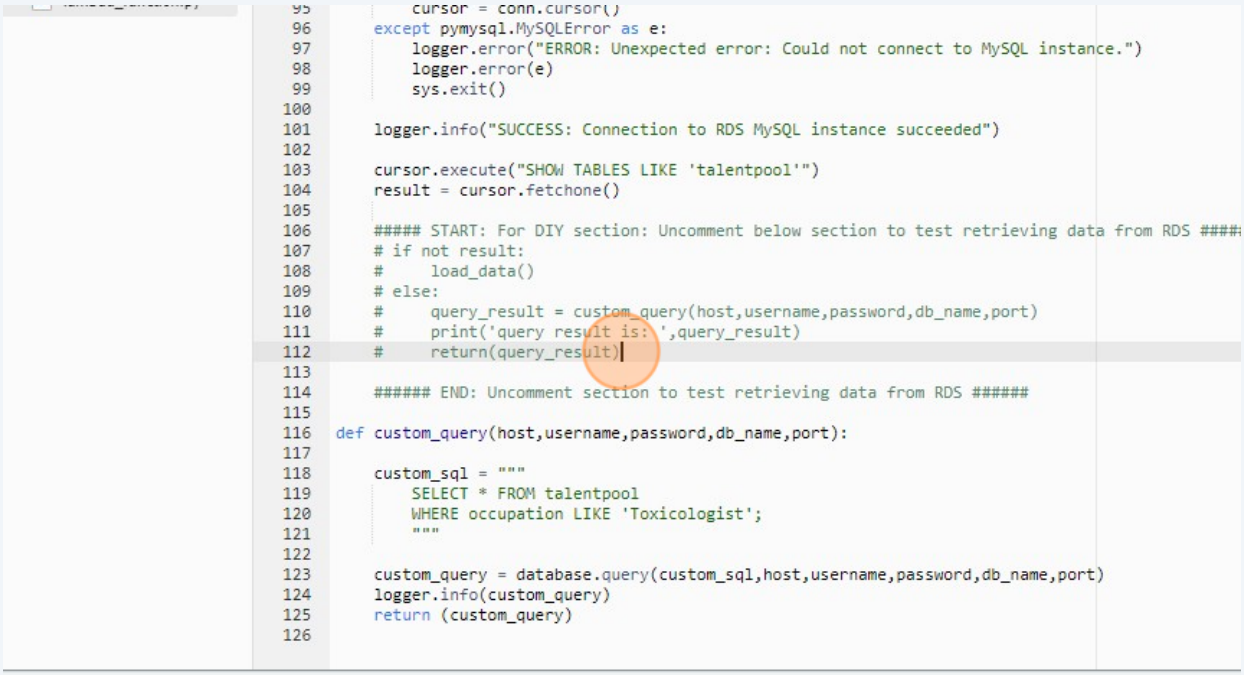
Deploying Lambda Function and Testing with Secrets Manager and Cloud Quest

1 Navigate to https://us-east-1.console.aws.amazon.com/lambda/home?region=us-east-1#/functions/application_function?tab=code

2 Click here.

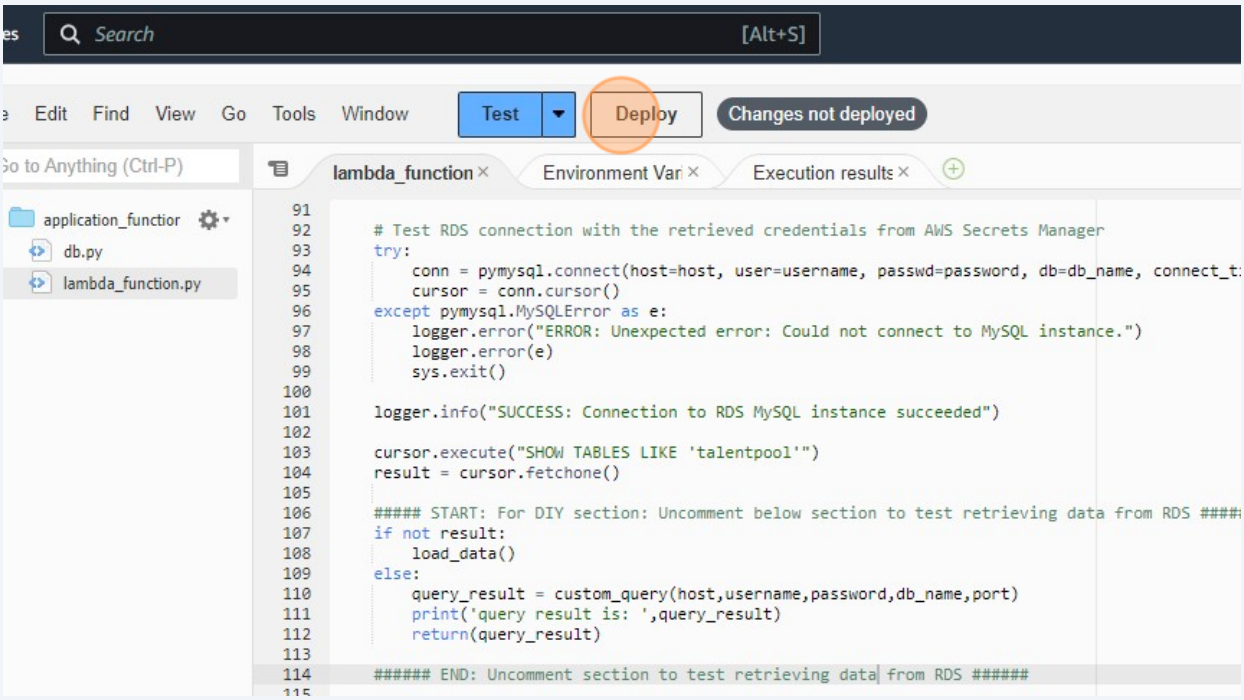


```
        cursor = conn.cursor()
    except pymysql.MySQLError as e:
        logger.error("ERROR: Unexpected error: Could not connect to MySQL instance.")
        logger.error(e)
        sys.exit()

    logger.info("SUCCESS: Connection to RDS MySQL instance succeeded")

    cursor.execute("SHOW TABLES LIKE 'talentpool'")
    result = cursor.fetchone()

    ##### START: For DIY section: Uncomment below section to test retrieving data from RDS ####
    # if not result:
    #     load_data()
    # else:
    #     query_result = custom_query(host,username,password,db_name,port)
    #     print('query result is: ',query_result)
    #     return(query_result)

    ###### END: Uncomment section to test retrieving data from RDS ######

def custom_query(host,username,password,db_name,port):

    custom_sql = """
        SELECT * FROM talentpool
        WHERE occupation LIKE 'Toxicologist';
        """

    custom_query = database.query(custom_sql,host,username,password,db_name,port)
    logger.info(custom_query)
    return (custom_query)
```

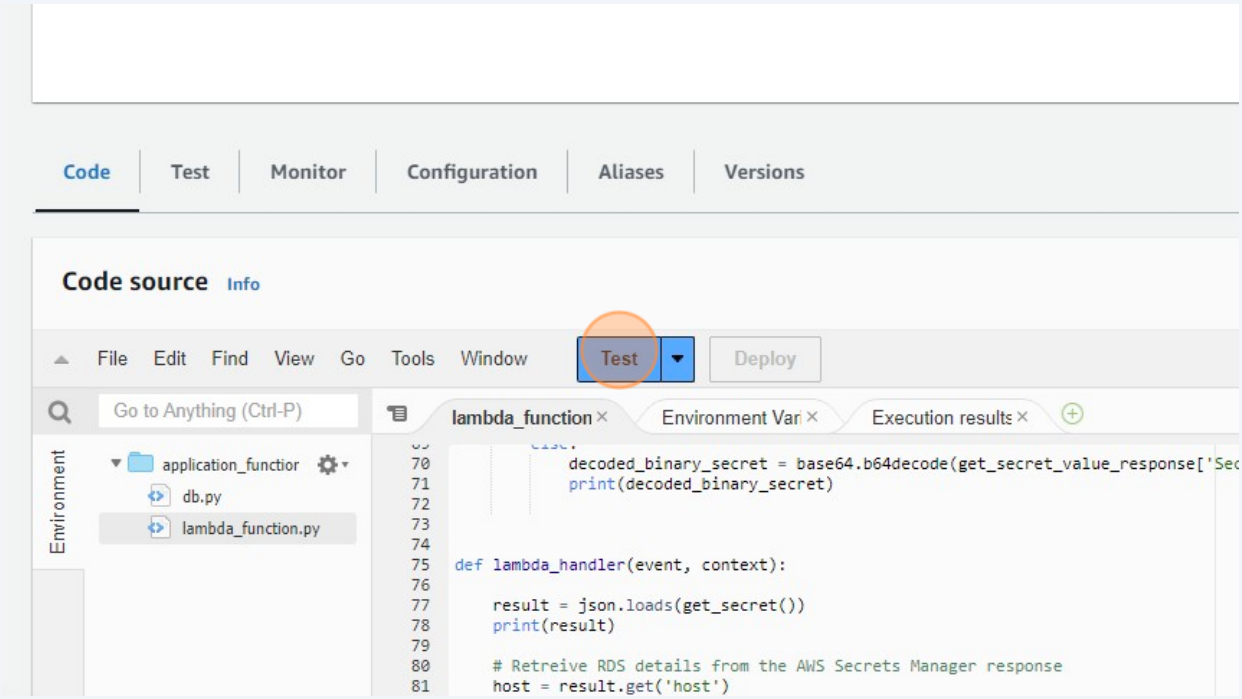
3 Click here.

```
        logger.error("ERROR: Unexpected error: Could not connect to MySQL instance.")
        logger.error(e)
        sys.exit()

    logger.info("SUCCESS: Connection to RDS MySQL instance succeeded")

    cursor.execute("SHOW TABLES LIKE 'talentpool'")
    result = cursor.fetchone()

    ##### START: For DIY section: Uncomment below section to test retrieving data from RDS ######
    if not result:
        load_data()
    else:
        query_result = custom_query(host,username,password,db_name,port)
        print('query result is: ',query_result)
        return(query_result)

    ###### END: Uncomment section to test retrieving data from RDS ######

def custom_query(host,username,password,db_name,port):

    custom_sql = """
        SELECT * FROM talentpool
        WHERE occupation LIKE 'Toxicologist';
        """

    custom_query = database.query(custom_sql,host,username,password,db_name,port)
    logger.info(custom_query)
    return (custom_query)
```

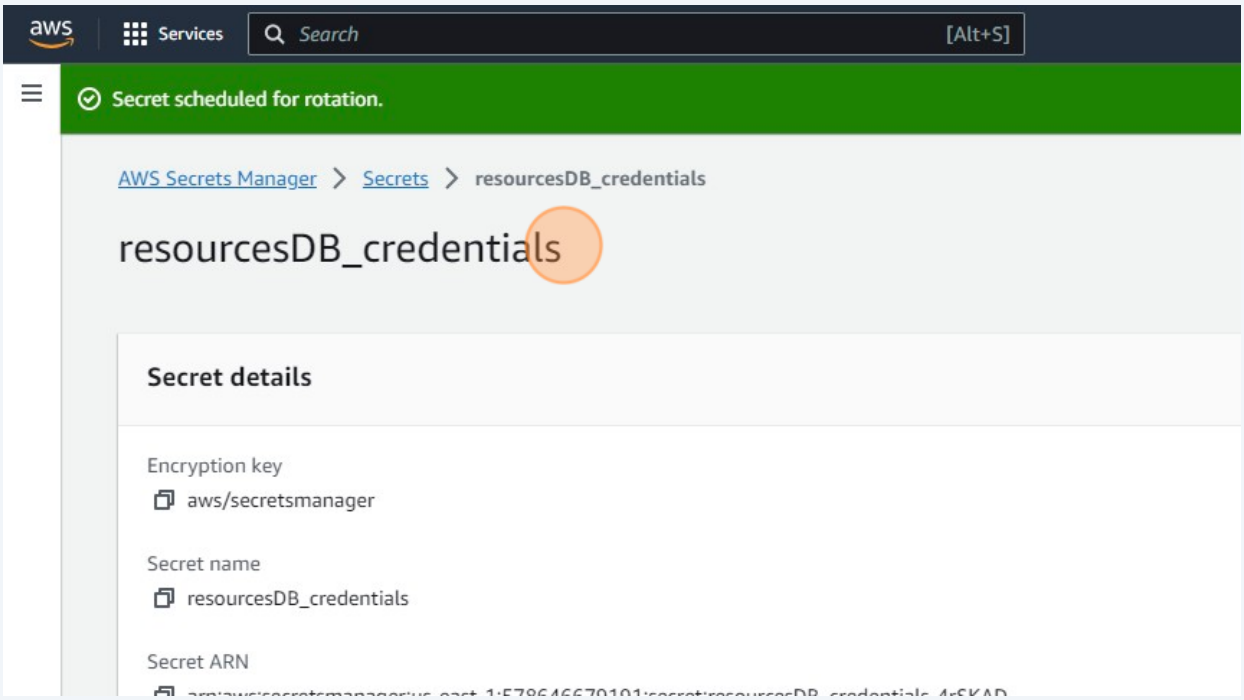
4 Click "Deploy"



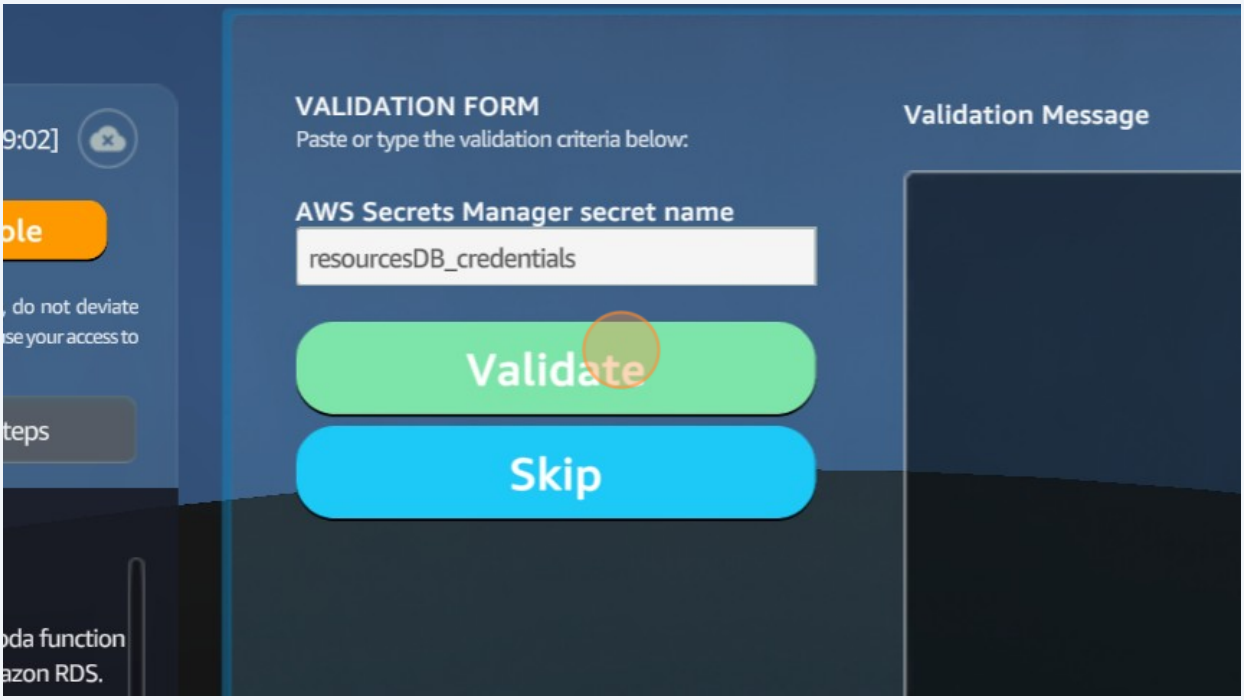
5 Click "Test"



6 Click here.



7 Click here.



8 Double-click here.