Case Study: Crime Analysis and Reporting System (C.A.R.S.)

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Instructions

- Project submissions should be done through the partcipants' Github repository and the link should be shared with trainers and Hexavarsity.
- Each section builds upon the previous one, and by the end, you will have a comprehensive Crime Analysis and reporting system implemented with a strong focus on SQL, control flow statements, loops, arrays, collections, exception handling, database interaction and Unit Testing.
- Follow object-oriented principles throughout the project. Use classes and objects to model real-world entities, encapsulate data and behavior, and ensure code reusability.
- Throw user defined exceptions from corresponding methods and handled.
- The following Directory structure is to be followed in the application.
 - entity
 - Create entity classes in this package. All entity class should not have any business logic.
 - o dao
 - Create Service Provider interface to showcase functionalities.
 - Create the implementation class for the above interface with db interaction.
 - exception
 - Create user defined exceptions in this package and handle exceptions whenever needed.
 - o util
- Create a DBPropertyUtil class with a static function which takes property file name as parameter and returns connection string.
- Create a DBConnUtil class which holds static method which takes connection string as parameter file and returns connection object(Use method defined in DBPropertyUtil class to get the connection String).
- main
 - Create a class MainModule and demonstrate the functionalities in a menu driven application.

Key Functionalities:

The primary objective of this project is to develop a comprehensive **Crime Analysis and Reporting System (CARS)** that addresses the above-mentioned challenges and provides law enforcement agencies with a robust, user-friendly, and secure platform for crime data management and reporting.

1. Schema design:

Entities:

- 1. Incidents:
 - IncidentID (Primary Key)

- IncidentType (e.g., Robbery, Homicide, Theft)
- IncidentDate
- Location (Geospatial Data: Latitude and Longitude)
- Description
- Status (e.g., Open, Closed, Under Investigation)
- VictimID (Foreign Key, linking to Victims)
- SuspectId(Foreign Key, Linking to Suspect)

2. Victims:

- VictimID (Primary Key)
- FirstName
- LastName
- DateOfBirth
- Gender
- Contact Information (e.g., Address, Phone Number)

3. Suspects:

- SuspectID (Primary Key)
- FirstName
- LastName
- DateOfBirth
- Gender
- Contact Information

4. Law Enforcement Agencies:

- AgencyID (Primary Key)
- AgencyName
- Jurisdiction
- Contact Information
- Officer(s) (Link to Officers within the agency)

5. Officers:

- OfficerID (Primary Key)
- FirstName
- LastName
- BadgeNumber
- Rank
- Contact Information
- AgencyID (Foreign Key, linking to Law Enforcement Agencies)

6. Evidence:

- EvidenceID (Primary Key)
- Description
- Location Found
- IncidentID (Foreign Key, linking to Incidents)

7. Reports:

- ReportID (Primary Key)
- IncidentID (Foreign Key, linking to Incidents)
- ReportingOfficer (Foreign Key, linking to Officers)
- ReportDate
- ReportDetails
- Status (e.g., Draft, Finalized)

Relationships:

- An Incident can have multiple Victims and Suspects.
- An Incident is associated with one Law Enforcement Agency.
- An Officer works for a single Law Enforcement Agency.
- Evidence can be linked to an Incident.
- Reports are generated for Incidents by ReportingOfficers.

Coding

Create the model/entity classes corresponding to the schema within package entity with variables declared private, constructors(default and parametrized) and getters, setters)

Service Provider Interface/Abstract class

• Keep the interfaces and implementation classes in package dao

Create ICrimeAnalysisService Interface/abstract classs with the following methods

```
// Create a new incident
createIncident();
        parameters- Incident object
        return type Boolean
// Update the status of an incident
updateIncidentStatus();
        parameters-Status object, incidentid
        return type Boolean
// Get a list of incidents within a date range
getIncidentsInDateRange();
      parameters- startDate, endDate
      return type Collection of Incident objects
// Search for incidents based on various criteria
searchIncidents(IncidentType criteria);
      parameters-IncidentType object
      return type Collection of Incident objects
// Generate incident reports
generateIncidentReport();
      parameters-Incident object
      return type Report object
// Create a new case and associate it with incidents
createCase();
      parameters- caseDescription string, collection of Incident Objects
      return type Case object
// Get details of a specific case
Case getCaseDetails(int caseId);
      parameters- caseDescription string, collection of Incident Objects
      return type Case object
// Update case details
updateCaseDetails();
      parameters- Case object
      return type boolean
// Get a list of all cases
List<Case> getAllCases();
          parameters- None
          return type Collection of cases
```

- **7:** Connect your application to the SQL database:
 - 1. Write code to establish a connection to your SQL database.

Create a utility class **DBConnection** in a package **util** with a static variable **connection** of Type **Connection** and a static method **getConnection()** which returns connection.

Connection properties supplied in the connection string should be read from a property file.

Create a utility class **PropertyUtil** which contains a static method named **getPropertyString()** which reads a property fie containing connection details like hostname, dbname, username, password, port number and returns a connection string.

7: Service implementation

- Create a Service class CrimeAnalysisServiceImpl in package dao with a static variable named connection of type Connection which can be assigned in the constructor by invoking the getConnection() method in DBConnection class
- 2. Provide implementation for all the methods in the interface/abstract clsass

8: Exception Handling

Create the exceptions in package c.myexceptions

Define the following custom exceptions and throw them in methods whenever needed. Handle all the exceptions in main method,

1. **IncidentNumberNotFoundException** :throw this exception when user enters an invalid patient number which doesn't exist in db

9. Main Method

Create class named MainModule with main method in main package.

Trigger all the methods in service implementation class

10. Unit Testing

Creating JUnit test cases for a **Crime Analysis and Reporting System** is essential to ensure the correctness and reliability of your system. Below are some example questions to guide the creation of JUnit test cases for various components of the system:

1. Incident Creation:

- Does the createIncident method correctly create an incident with the provided attributes?
- Are the attributes of the created incident accurate?

2. Incident Status Update:

- Does the updateIncidentStatus method effectively update the status of an incident?
- Does it handle invalid status updates appropriately?

Case.py

```
from Case_Study.UTIL.DB_CONNECTION import DBConnection

class Cases(DBConnection):
    def __init__ (self, case_id=None, description=None, case_date=None,
status=None):
    self.case_id = case_id
    self.case_id = case_id
    self.case_date = case_date
    self.status = status

def create_table(self):
    create_query = '''
        create table if not exists Cases(
        case_id int primary key,
        description varchar(150),
        case_date date,
        status varchar(30)
        )'''
    DBConnection.getConnection()
    stmt = DBConnection.connection.cursor()
    stmt.execute(create_query)
    print("Case table created successfully")
```

Criminal_Analysis.py

```
from Case_Study.UTIL.DB_CONNECTION import DBConnection
from Case_Study.ENTITY.ICRIMEANALYSIS_SERVICE import I_crime_analysis_service
from Case_Study.DAO.INCIDENTS import Incidents
from Case_Study.DAO.REPORTS import Reports
from Case_Study.DAO.CASE import Cases

class crime_analysis_service_impl(Incidents, Reports, Cases, DBConnection,
I_crime_analysis_service):
    def __init (self):
        super(Incidents, self).__init__()

    def createIncident(self):
        incident = Incidents()
        incident = Incidents()
        incident = Incidents()

        incident = Incidents()

        incident.update_table()

    def getIncidentsInDateRange(self):
        start_date = input("Enter the start date(yyyy-mm-dd): ")
        end_date = input("Enter the input date(yyyy-mm-dd): ")
        res = [incident for incident in Incidents.incidents if start_date <= incident.incident_date <= end_date]
    for i in res:
        print(i)

    def searchIncidents(self):
        self.incident_id = int(input('Enter the incident id to search the incident details: '))
        search query = f'select * from Incidents where incident id =</pre>
```

```
DBConnection.getConnection()
       stmt = DBConnection.connection.cursor()
       stmt.execute(search query)
       data = stmt.fetchall()
           print(i)
       self.incident id = int(input("Enter the incident id to generate a
report: "))
       report query = f'select * from Reports where incident id =
       DBConnection.getConnection()
           print(i)
       print("Reports generated successfully")
       self.description = input("Enter the description: ")
       data = [(self.case_id, self.description, self.case_date, self.status)]
       DBConnection.getConnection()
       stmt.executemany(query, data)
       print("Created case successfully")
       self.case id = int(input("Enter the case Id to get details: "))
       get query = f'select * from Cases where case id={self.case id}'
       DBConnection.getConnection()
       stmt = DBConnection.connection.cursor()
       self.case id = int(input("Enter the case Id to update details: "))
       self.description = input("Enter the description: ")
       self.case date = input("Enter the case date: ")
       update query = f'update Cases set description=%s, case date=%s,
       DBConnection.getConnection()
       stmt.execute(update query)
```

```
get_query = f'select * from Cases'
    DBConnection.getConnection()
    stmt = DBConnection.connection.cursor()
    stmt.execute(get_query)
    data = stmt.fetchall()
    for i in data:
        print(i)

# obj = crime_analysis_service_impl()
# obj.generateIncidentReport()
```

Evidence.py

```
class Evidence(DBConnection):
   def init (self, evidence id=None, description=None, location=None,
       self.description = description
       create query = '''
       print("Evidence table created successfully")
       self.description = input("Enter the description: ")
       self.incident id = input("Enter the incident id: ")
       data = [(self.evidence id, self.description, self.location,
self.incident id) |
       DBConnection.getConnection()
       stmt.executemany(insert query, data)
       print("Values inserted successfully")
       self.evidence id = int(input("Enter the evidence id: "))
```

Incidents.py

```
from Case_Study.UTIL.DB_CONNECTION import DBConnection
from Case_Study.EXCEPTION.INCIDENTNUMBERNOTFOUND import
IncidentNumberNotFoundException

class Incidents(DBConnection):
    incidents = []

    def __init__ (self, incident_id=None, incident_type=None,
    incident_date=None, location=None, description=None, status=None,
    victim_id=None, suspect_id=None):
        self.incident_id = incident_id
        self.incident_type = incident_type
        self.incident_date = incident_date
        self.location = location
        self.description = description
        self.status = status
        self.victim_id = victim_id
        self.suspect_id = suspect_id

def create_table(self):
        create_query = '''
        create table if not exists Incidents(
        incident_id int primary key,
        incident_type varchar(30),
        incident_date date,
        location varchar(30),
```

```
DBConnection.getConnection()
       stmt = DBConnection.connection.cursor()
        stmt.execute(create query)
       print("Incidents table created successfully")
        self.incident id = int(input("Enter the incident id: "))
        self.incident type = input("Enter the incident type: ")
        self.incident date = input("Enter the incident date: ")
        self.description = input("Enter the description: ")
        self.victim id = int(input("Enter the victim id: "))
        self.suspect id = int(input("Enter the suspect id: "))
        insert query = 'insert into Incidents(incident id, incident type,
        data = [(self.incident id, self.incident type, self.incident date,
self.location, self.description, self.status, self.victim id, self.suspect id)]
       DBConnection.getConnection()
        stmt.executemany(insert query, data)
    def update table(self):
           self.incident type = input("Enter the incident type: ")
            self.incident date = input("Enter the incident date: ")
            self.location = input("Enter the location: ")
            self.description = input("Enter the description: ")
            self.status = input("Enter the status: ")
            self.victim id = int(input("Enter the victim id: "))
            self.suspect id = int(input("Enter the suspect id: "))
                raise IncidentNumberNotFoundException("Incident id not found")
            data = [(self.incident type, self.incident date, self.location,
self.description, self.status, self.victim id, self.suspect id,
self.incident id)]
            DBConnection.getConnection()
            stmt = DBConnection.connection.cursor()
            stmt.executemany(update query, data)
       except IncidentNumberNotFoundException as e:
```

```
print(e)
       except Exception as e:
           print(e)
   def delete table(self):
           self.incident id = int(input("Enter the incident id to delete data:
           if not self.incident exists(self.incident id):
               raise IncidentNumberNotFoundException("Incident id not found")
{self.incident id} '
           DBConnection.getConnection()
           stmt.execute(delete query)
       except IncidentNumberNotFoundException as e:
           print(e)
       except Exception as e:
           print(e)
   def select table(self):
       DBConnection.getConnection()
       stmt = DBConnection.connection.cursor()
       stmt.execute(select query)
           Incidents.incidents.append(i)
   def incident exists(self, incident id):
           DBConnection.getConnection()
       except Exception as e:
```

```
class Law Enforcement Agencies(DBConnection):
         init (self, agency id=None, agency name=None, jurisdiction=None,
       self.agency_id = agency_id
       self.agency_name = agency_name
       self.phone num = phone num
       self.officer = officer
       DBConnection.getConnection()
        self.agency id = int(input("Enter the agency id: "))
       self.agency name = input("Enter the agency name: ")
       data = [(self.agency id, self.agency name, self.jurisdiction,
self.phone num, self.officer)]
       DBConnection.getConnection()
       stmt.executemany(insert query, data)
        self.agency_id = int(input("Enter the agency id to update the values:
"))
        self.agency name = input("Enter the agency name: ")
        self.jurisdiction = input("Enter the jurisdiction: ")
       self.phone num = input("Enter the phone number: ")
       update query = 'update Law Enforcements Agencies set agency name=%s,
        data = [(self.agency name, self.jurisdiction, self.phone num,
self.officer, self.agency_id)]
       DBConnection.getConnection()
        stmt.execute(update query, data)
```

```
print("Values updated successfully")

def delete_table(self):
    self.agency_id = int(input("Enter the agency id to delete values: "))
    delete_query = f'delete from Law_Enforcement_Agencies where

agency_id={self.agency_id}'

    DBConnection.getConnection()
    stmt = DBConnection.connection.cursor()
    stmt.execute(delete_query)
    DBConnection.commett()
    print("Values deleted successfully")

def select_table(self):
    select_query = 'select * from Law_Enforcement_Agencies'
    DBConnection.getConnection()
    stmt = DBConnection.connection.cursor()
    stmt.execute(select_query)
    data = stmt.fetchall()
    for i in data:
        print(i)
    print("Values displayed successfully")
```

Officers.py

```
class Officers (DBConnection):
    def __init__ (self, officer_id=None, first_name=None, last_name=None,
badge_no=None, officer_rank=None, phone_num=None, agency_id=None):
    self.officer id = officer_id
    self.first_name = first_name
    self.last_name = last_name
    self.officer_rank = officer_rank
    self.officer_rank = officer_rank
    self.phone_num = phone_num
    self.agency_id = agency_id

def create_table(self):
    create_query = ''' create table if not exists Officers(
        officer_id int primary key,
        first_name varchar(30),
        last_name varchar(10),
        officer_rank varchar(30),
        phone_num varchar(30),
        phone_num varchar(20),
        agency_id int
    )'''

DBConnection.getConnection()
    stmt = DBConnection.connection.cursor()
    stmt.execute(create_query)
    print("Officers table created successfully")

def insert_into(self):
    self.officer_id = int(input("Enter the officer id: "))
    self.first_name = input("Enter the first name: ")
    self.last_name = input("Enter the last name: ")
    self.badge_no = input("Enter the badge number: ")
```

```
self.officer rank = input("Enter the rank: ")
self.phone num = input("Enter the phone number: ")
self.agency id = input("Enter the agency id: ")
DBConnection.getConnection()
stmt = DBConnection.connection.cursor()
self.badge no = input("Enter the badge number: ")
self.officer rank = input("Enter the rank: ")
self.phone num = input("Enter the phone number: ")
self.agency id = input("Enter the agency id: ")
update query = 'update Officers set first name=%s, last name=%s,
stmt.execute(update query, data)
DBConnection.getConnection()
stmt = DBConnection.connection.cursor()
stmt.execute(delete query)
DBConnection.getConnection()
stmt.execute(select query)
    print(i)
print("Values displayed successfully")
```

```
from Case Study.UTIL.DB CONNECTION import DBConnection
class Reports(DBConnection):
       init (self, report id=None, incident id=None,
reporting officer=None, report date=None, report details=None, status=None):
       self.report_id = report_id
       self.reporting officer = reporting officer
       self.report date = report date
       self.report details = report details
       DBConnection.getConnection()
        self.report details = input("Enter the report details: ")
       self.status = input("Enter the status: ")
       insert query = 'insert into Reports(report id, incident id,
reporting officer, report date, report details, status)
       DBConnection.getConnection()
       stmt.executemany(insert query, data)
       self.report id = int(input("Enter the report id: "))
       self.reporting officer = input("Enter the reporting officer: ")
       self.report details = input("Enter the report details: ")
       update query = 'update Reports set incident id=%s,
report id=%s'
       data = [(self.incident id, self.reporting officer, self.report date,
```

```
self.report_details, self.status, self.report_id)]
    DBConnection.getConnection()
    stmt = DBConnection.connection.cursor()
    stmt.execute(update_query, data)
    DBConnection.connection.commit()
    print("Values updated successfully")

def delete_table(self):
    self.report_id = int(input("Enter the report id to delete values: "))
    delete_query = f'delete from Reports where report_id={self.report_id}'
    DBConnection.getConnection()
    stmt = DBConnection.connection.cursor()
    stmt.execute(delete_query)
    DBConnection.connection.commit()
    print("Values deleted successfully")

def select_table(self):
    select_query = 'select * from Reports'
    DBConnection.getConnection()
    stmt = DBConnection.connection.cursor()
    stmt.execute(select_query)
    data = stmt.fetchall()
    for i in data:
        print(i)
    print("Values displayed successfully")
```

Suspects.py

```
self.first name = input("Enter the first name: ")
       self.last_name = input("Enter the last name: ")
self.dob = input("Enter the date of birth: ")
        data = [(self.suspect_id, self.first_name, self.last_name, self.dob,
self.gender, self.address, self.phone_num)]
       DBConnection.getConnection()
   def update table(self):
        self.suspect id = int(input("Enter the suspect id to update the values:
       self.first name = input("Enter the first name: ")
        self.last name = input("Enter the last name: ")
        self.dob = input("Enter the date of birth: ")
       self.gender = input("Enter the gender: ")
       update query = 'update Suspects set first name=%s, last name=%s,
        data = [(self.first_name, self.last_name, self.dob, self.gender,
self.address, self.phone_num, self.suspect_id)]
       DBConnection.getConnection()
       stmt.execute(update query, data)
   def delete table(self):
        self.suspect id = int(input("Enter the suspect id to delete values: "))
       delete query = f'delete from Suspects where
suspect id={self.suspect id}'
        stmt = DBConnection.connection.cursor()
        stmt.execute(delete query)
   def select table(self):
        stmt = DBConnection.connection.cursor()
            print(i)
       print("Values displayed successfully")
```

Victims.py

```
class Victims(DBConnection):
       stmt = DBConnection.connection.cursor()
       self.last_name = input("Enter the last name: ")
       self.dob = input("Enter the date of birth: ")
       self.gender = input("Enter the gender: ")
       self.address = input("Enter the address: ")
       self.phone num = input("Enter the phone number: ")
self.gender, self.address, self.phone num)]
       DBConnection.getConnection()
       stmt.executemany(insert query, data)
   def update table(self):
       self.dob = input("Enter the date of birth: ")
       self.gender = input("Enter the gender: ")
       self.address = input("Enter the address: ")
       self.phone num = input("Enter the phone number: ")
```

```
update_query = 'update Victims set first_name=%s, last_name=%s, dob=%s,
gender=%s, address=%s, phone_num=%s where victim_id=%s'
    data = [(self.first_name, self.last_name, self.dob, self.gender,
self.address, self.phone_num, self.victim_id])
    DBConnection.getConnection()
    stmt = DBConnection.connection.cursor()
    stmt.execute(update_query, data)
    DBConnection.connection.commit()
    print("Values updated successfully")

def delete_table(self):
    self.victim_id = int(input("Enter the victim id to delete values: "))
    delete_query = f'delete from Victims where victim_id={self.victim_id}'
    DBConnection.getConnection()
    stmt = DBConnection.connection.cursor()
    stmt.execute(delete_query)
    DBConnection.connection.commit()
    print("Values deleted successfully")

def select_table(self):
    select_query = 'select * from Victims'
    DBConnection.getConnection()
    stmt = DBConnection.connection.cursor()
    stmt.execute(select_query)
    data = stmt.fetchall()
    for i in data:
        print(i)
    print("Values displayed successfully")
```

DB Connection.py

PropertyUtil.py

```
class propertyUtil:
    @staticmethod
    def getPropertyString():
        connection_string = {
             'host': 'localhost',
             'database': 'crime_reporting_system',
             'user': 'root',
             'password': '765795'
     }
    return connection_string
```

main.py

```
from Case Study.DAO.SUSPECTS import Suspects
from Case Study.DAO.LAW ENFORCEMENT AGENCIES import Law Enforcement Agencies
from Case Study.DAO.REPORTS import Reports
from Case Study.DAO.CRIMEANALYSIS SERVICEIMPL import
crime analysis service impl
    connObj = DBConnection()
    while True:
       victimObj = Victims()
        suspectObj = Suspects()
        lawObj = Law Enforcement Agencies()
        evidenceObj = Evidence()
        reportObj = Reports()
        serviceImplementObj = crime analysis service impl()
                    incidentObj.update table()
```

```
incidentObj.delete table()
        victimObj.create table()
       victimObj.insert into()
        victimObj.update table()
       victimObj.select table()
        suspectObj.create table()
        suspectObj.insert into()
        suspectObj.update table()
        suspectObj.delete table()
        (suspectObj.select table())
while True:
        lawObj.insert into()
```

```
lawObj.update table()
        lawObj.select table()
        officerObj.create table()
        officerObj.insert into()
        officerObj.update table()
        officerObj.select table()
        evidenceObj.create table()
        evidenceObj.update table()
while True:
        reportObj.create table()
```

```
reportObj.insert into()
reportObj.update table()
reportObj.delete table()
reportObj.select table()
serviceImplementObj.createIncident()
serviceImplementObj.updateIncidentStatus()
serviceImplementObj.getIncidentsInDateRange()
serviceImplementObj.searchIncidents()
serviceImplementObj.generateIncidentReport()
serviceImplementObj.createCase()
serviceImplementObj.getCaseDetails()
serviceImplementObj.updateCaseDetails()
serviceImplementObj.getAllCases()
```

Exception_Handling.py

```
class IncidentNumberNotFoundException(Exception):
    def __init__(self, msg="Incident id not found"):
        self.msg = msg
        super().__init__(msg)
```

Testing.py

```
import unittest
from Case_Study.DAO.INCIDENTS import Incidents

class MyTestCase(unittest.TestCase):
    def setUp(self):
        self.incident = Incidents()

    # testing whether an incident is created or not
    def test_incident(self):
        print("Create a new incident with incident id = 5")
        result = self.incident.insert_into()
        self.assertEqual('Incident created successfully', result)

# testing whether incident status updated or not
    def test_update(self):
        print("Updating the status of incident. Set status = Investigation ")
        result = self.incident.update_table()
        self.assertEqual('Values updated successfully', result)

if __name__ == '__main__':
    unittest.main()
```

```
Database connected successfully
Select table to use functionalities
1.Incidents
2.Victims
3.Suspects
4.Law Enforcement Agencies
5.Officers
6.Evidence
7.Reports
8.crime analysis service impl
9.exit
enter your choice:
```

```
enter your choice:1
1.create Incidents 2.insert Incidents
                                         3.update incidents
4.delete incidents 5.select incidents
6.Exit
enter your choice:
enter your choice:2
Enter the incident id: 2
Enter the incident type: shootout
Enter the incident date: 2024-02-07
Enter the location: lokhandwala
Enter the description: murders
Enter the status: open
Enter the victim id: 2
Enter the suspect id: 2
Data inserted successfully
ysql> select*from incidents;
                                             | status | victim_id | suspect_id
incident_id | incident_type | incident_date | location
                              description
     1 robbery
               2024-02-07
                      police station | van stole from police station | open
     2 | shootout
               2024-02-07
                       lokhandwala
                               murders
                                              open
2 rows in set (0.01 sec)
```

```
enter your choice:3
1.create suspects 2.insert suspects 3.update suspects
4.delete suspects 5.select suspects
6.Exit
enter your choice:1
Suspects table created successfully
mysql> show tables;
   Tables_in_crime_reporting_system
   incidents
   suspects
  victims
   rows in set (0.00 sec)
enter your choice:4
1.create law agencies 2.insert law agencies 3.update law agencies
4.delete law agencies 5.select law agencies
6.Exit
enter your choice:1
Law Enforcement Agencies table created successfully
enter your choice:5
1.create officers 2.insert officers 3.update officers
4.delete officers 5.select officers
6.Exit
enter your choice1
Officers table created successfully
enter your choice:6
1.create evidence 2.insert evidence 3.update evidence
4.delete evidence 5.select evidence
6.Exit
enter your choice1
Evidence table created successfully
enter your choice:7
1.create reports 2.insert reports 3.update reports
4.delete reports 5.select reports
6.Exit
enter your choice1
Reports table successfully created
```

```
enter your choice:1

1.create Incidents 2.insert Incidents 3.update incidents
4.delete incidents 5.select incidents
6.Exit
enter your choice:7
Wrong choice
```