

**Bangladesh University of Business and Technology**

**Report**

**On**

**Crime Report**

Submitted By

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**Abstract**

The crimes happening around awakened we to go for the safety issues, so new websites have been developed to provide security systems online that can be operated easily. Crime reporting helps prevent the law enforcement agencies from the manual work. It can be handled by police and other authorities. Moreover it will prevent the delay

**Introduction**

Crime reporting has long been a central part of news coverage in free press societies, because crime stories are usually newsworthy. The need for good record-keeping and information-sharing practices has taken on great significance in today's global environment. Not only do well-organized records provide important internal information (i.e., business operations and case management support—not to forget the official memory of an agency's investigations), law enforcement agencies are now required to communicate agency-to-agency and across continents to protect the Nation’s citizens. Nothing is more necessary to accomplishing that mission than having accessibility to accurate and timely records. Calls for service records and investigative, arrest, criminal identification, detention, and even civil records hold data that by themselves mean little; however, once pieced together with information from other jurisdictions, the result can help with all levels of investigations and aid in safeguarding the Nation.

**Implementation**

Main Table

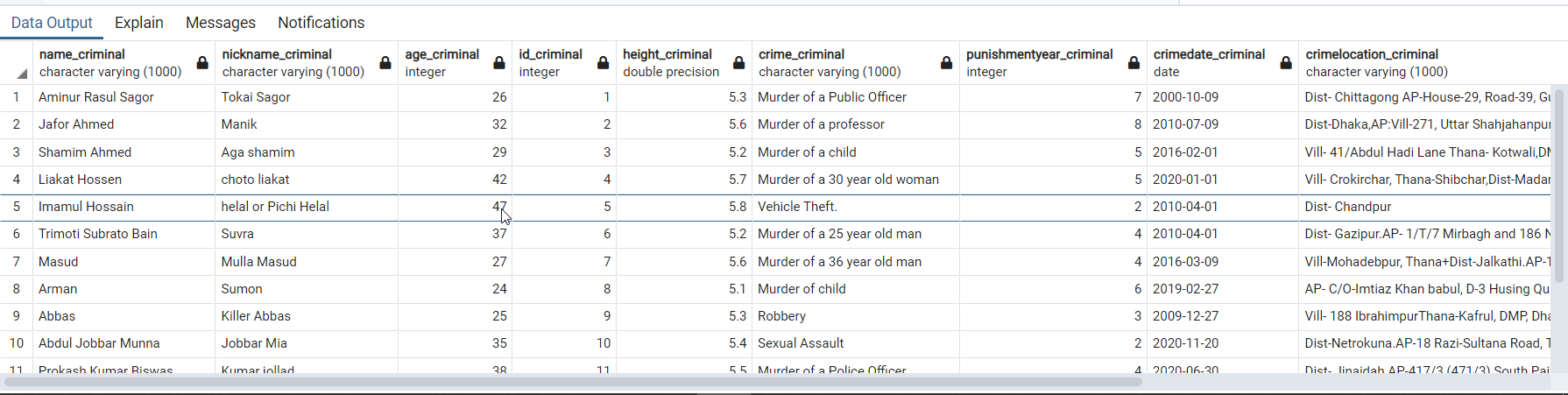


Table after partition 1



Table After partition 2

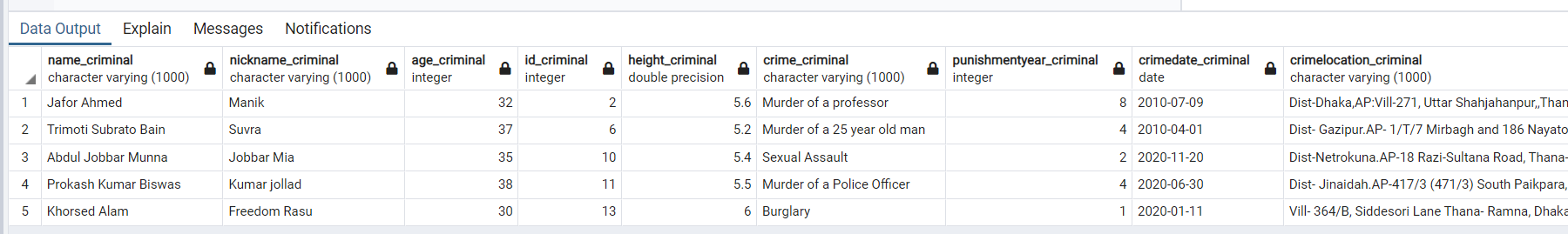
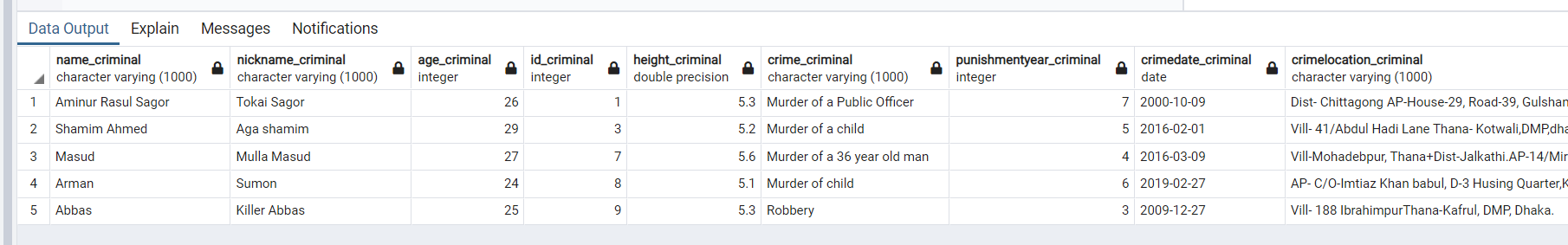
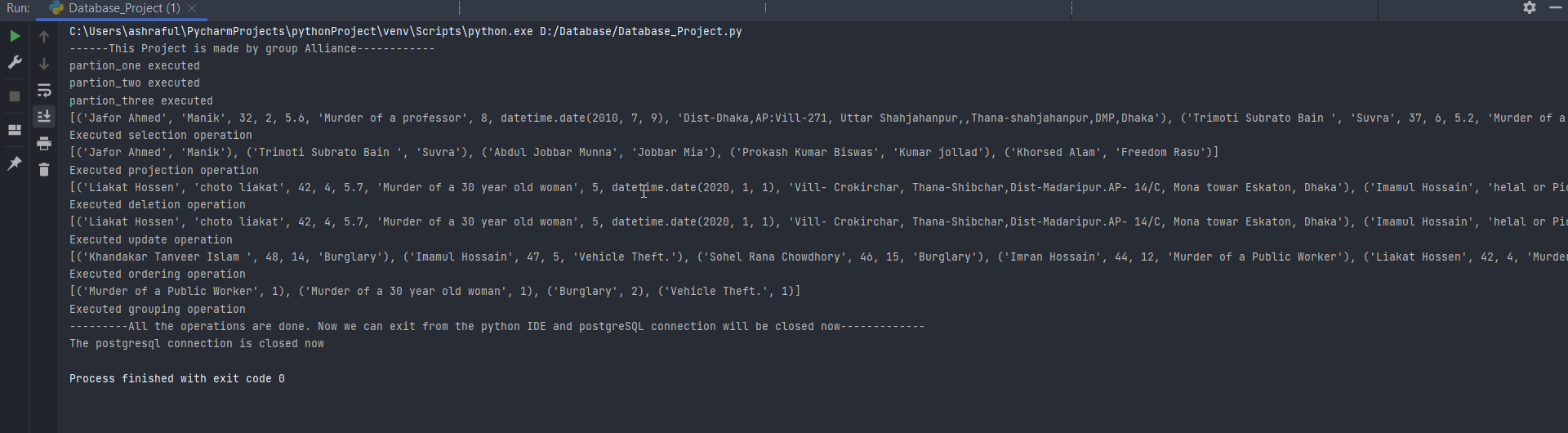


Table after partition 3



Output:



**Code:**

import psycopg2

from psycopg2 import Error

print("------This Project is made by group Alliance------------")

try:

conn = psycopg2.connect(dbname = 'Crime Report', user = 'postgres',password = '1234',port ='5432')

cursor = conn.cursor()

cursor.execute('DROP TABLE IF EXISTS report')

#We have created our main table (report) here

table = ''' create table report(name\_criminal varchar(1000),nickname\_criminal varchar(1000) ,age\_criminal int,id\_criminal int, height\_criminal float, crime\_criminal varchar(1000),punishmentyear\_criminal int,crimedate\_criminal date,crimelocation\_criminal varchar(1000))'''

cursor.execute(table)

#We have inserted table data here

insert = ''' insert into report (name\_criminal,nickname\_criminal,age\_criminal,id\_criminal,height\_criminal,crime\_criminal,punishmentyear\_criminal,crimedate\_criminal,crimelocation\_criminal)

values(%s,%s,%s,%s,%s,%s,%s,%s,%s)'''

# Criminal Data are given here. We have taken random info from different website and used some imaginary names

values = [('Aminur Rasul Sagor','Tokai Sagor', 26,1, 5.3, 'Murder of a Public Officer', 7,'2000/10/09','Dist- Chittagong AP-House-29, Road-39, Gulshan, DMP,Dhaka. (AP:Vill- 412 Askuna, thana-dakhin Khan, Dhaka'),

('Jafor Ahmed','Manik',32,2,5.6,'Murder of a professor',8,'2010/07/09','Dist-Dhaka,AP:Vill-271, Uttar Shahjahanpur,,Thana-shahjahanpur,DMP,Dhaka'),

('Shamim Ahmed','Aga shamim',29,3,5.2,'Murder of a child',5,'2016/02/01','Vill- 41/Abdul Hadi Lane Thana- Kotwali,DMP,dhaka.'),

('Liakat Hossen','choto liakat' ,42,4, 5.7, 'Murder of a 30 year old woman', 5,'2020/01/01','Vill- Crokirchar, Thana-Shibchar,Dist-Madaripur.AP- 14/C, Mona towar Eskaton, Dhaka'),

('Imamul Hossain', 'helal or Pichi Helal', 47,5, 5.8, 'Vehicle Theft.', 2,'2010/04/01','Dist- Chandpur'),

('Trimoti Subrato Bain ','Suvra',37,6,5.2,'Murder of a 25 year old man',4,'2010/04/01','Dist- Gazipur.AP- 1/T/7 Mirbagh and 186 Nayatola,Mogbazar, Ramna, DMP Dhaka.'),

('Masud', 'Mulla Masud',27,7,5.6,'Murder of a 36 year old man',4,'2016/03/09','Vill-Mohadebpur, Thana+Dist-Jalkathi.AP-14/Mirbagh, Thana-Ramna,DMP,Dhaka .'),

('Arman','Sumon',24,8,5.1,'Murder of child',6,'2019/02/27','AP- C/O-Imtiaz Khan babul, D-3 Husing Quarter,Kazi Nazrul Islam road, PS-MohammadpurDMP, Dhaka .'),

('Abbas','Killer Abbas',25,9,5.3,'Robbery',3,'2009/12/27','Vill- 188 IbrahimpurThana-Kafrul, DMP, Dhaka.'),

('Abdul Jobbar Munna','Jobbar Mia',35,10,5.4,'Sexual Assault',2,'2020/11/20','Dist-Netrokuna.AP-18 Razi-Sultana Road, Thana-Mohammadpur, DMP, Dhaka.'),

('Prokash Kumar Biswas','Kumar jollad',38,11,5.5,'Murder of a Police Officer',4,'2020/06/30','Dist- Jinaidah.AP-417/3 (471/3) South Paikpara,PS-Mirpur, DMP, Dhaka.'),

('Imran Hossain','Patowari',44,12,6.2,'Murder of a Public Worker',7,'2020/01/11','Vill- GP Cha-39,Mohakhali Warless gate,DMP, Dhaka .'),

('Khorsed Alam','Freedom Rasu',30,13,6.0,'Burglary',1,'2020/01/11','Vill- 364/B, Siddesori Lane Thana- Ramna, Dhaka.(AP-21 Siddesori Lane Building No-03, Flat-104 eastern Plaza, Ramna, DMP, Dhaka).'),

('Khandakar Tanveer Islam ','Joy',48,14,5.7,'Burglary',1,'2022/01/31','Vil- Baniara, Thana- Mirzapur,Dist-Tangail.AP-438/16 (43/R/16) Indira Road,PS-Tajgaon, DMP, Dhaka.'),

('Sohel Rana Chowdhory','Freedom Sohel',46,15,5.0,'Burglary',2,'2021/09/22','Dist- Feni.AP- 1063, Malibagh bazar road,PS-Khilgaon, DMP, Dhaka.')

]

for v in values:

cursor.execute(insert,v)

conn.commit()

# We have started our table partition from here

drop\_one = 'drop table if exists partition\_one'

cursor.execute(drop\_one)

drop\_two = 'drop table if exists partition\_two'

cursor.execute(drop\_two)

drop\_three = 'drop table if exists partition\_three'

cursor.execute(drop\_three)

conn.commit()

partition\_one = '''create table partition\_one as (select \* from report where age\_criminal> 20 and age\_criminal< 30)'''

cursor.execute(partition\_one)

print('partion\_one executed')

partition\_two = '''create table partition\_two as (select \* from report where age\_criminal >=30 and age\_criminal< 40)'''

cursor.execute(partition\_two)

print('partion\_two executed')

partition\_three = '''create table partition\_three as (select \* from report where age\_criminal >=40 and age\_criminal< 50)'''

cursor.execute(partition\_three)

print('partion\_three executed')

conn.commit()

#We have started performing our queries

#insertion

# insert = ''' insert into report (name\_criminal,nickname\_criminal,age\_criminal,id\_criminal,height\_criminal,crime\_criminal,punishmentyear\_criminal,crimedate\_criminal,crimelocation\_criminal)

# values(%s,%s,%s,%s,%s,%s,%s,%s,%s)'''

#

# data = ('Kala Jahangir', 'Kala Manik', 40 ,16, 5.7, 'Vehicle Theft.', 2,'2011/04/01','Dist-Bogra.A/P-131/1 Adarsha palli IbrahimpurThana-Kafrul, dhaka.')

# cursor.execute(insert, v)

#selection

cursor.execute('select \* from partition\_two where height\_criminal< 5.7')

print(cursor.fetchall())

print('Executed selection operation')

#projection

cursor.execute('select name\_criminal, nickname\_criminal from partition\_two')

print(cursor.fetchall())

print('Executed projection operation')

# deletion

cursor.execute("delete from partition\_three where age\_criminal= 35 ")

cursor.execute('select \* from partition\_three')

print(cursor.fetchall())

print('Executed deletion operation')

# update

cursor.execute("update partition\_three set height\_criminal = 5.5 where age\_criminal= 26")

cursor.execute('select \* from partition\_three')

print(cursor.fetchall())

print('Executed update operation')

# ordering

cursor.execute('select name\_criminal,age\_criminal,id\_criminal,crime\_criminal from partition\_three order by age\_criminal desc')

print(cursor.fetchall())

print('Executed ordering operation')

# grouping

cursor.execute('select crime\_criminal,count(punishmentyear\_criminal) from partition\_three group by crime\_criminal')

print(cursor.fetchall())

print('Executed grouping operation')

print('---------All the operations are done. Now we can exit from the python IDE and postgreSQL connection will be closed now-------------')

except (Exception, Error) as error:

print('There are some problem : ',error)

finally:

if (conn):

cursor.close()

conn.close()

print('The postgresql connection is closed now')