**TUGAS AKHIR PBOP**

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import mysql.connector

import os

db = mysql.connector.connect(

*host*="localhost",

*user*="root",

*passwd*="",

*database*="5220411428"

)

*def* insert\_data(*db*):

  nama = input("Masukan nama: ")

  alamat = input("Masukan alamat: ")

  val = (nama, alamat)

  cursor = db.cursor()

  sql = "INSERT INTO id (nama, alamat) VALUES (%s, %s)"

  cursor.execute(sql, val)

  db.commit()

  print("{} data berhasil disimpan".format(cursor.rowcount))

*def* show\_data(*db*):

  cursor = db.cursor()

  sql = "SELECT \* FROM id"

  cursor.execute(sql)

  results = cursor.fetchall()

  if cursor.rowcount < 0:

    print("Tidak ada data")

  else:

    for data in results:

      print(data)

*def* update\_data(*db*):

  cursor = db.cursor()

  show\_data(db)

  id = input("pilih id> ")

  nama = input("Nama baru: ")

  alamat = input("Alamat baru: ")

  sql = "UPDATE alamat SET nama=%s, alamat=%s WHERE id=%s"

  val = (nama, alamat, id)

  cursor.execute(sql, val)

  db.commit()

  print("{} data berhasil diubah".format(cursor.rowcount))

*def* delete\_data(*db*):

  cursor = db.cursor()

  show\_data(db)

  id = input("pilih id> ")

  sql = "DELETE FROM id WHERE id=%s"

  val = (id,)

  cursor.execute(sql, val)

  db.commit()

  print("{} data berhasil dihapus".format(cursor.rowcount))

*def* search\_data(*db*):

  cursor = db.cursor()

  keyword = input("Kata kunci: ")

  sql = "SELECT \* FROM id WHERE nama LIKE %s OR alamat LIKE %s"

  val = ("%{}%".format(keyword), "%{}%".format(keyword))

  cursor.execute(sql, val)

  results = cursor.fetchall()

  if cursor.rowcount < 0:

    print("Tidak ada data")

  else:

    for data in results:

      print(data)

*def* show\_menu(*db*):

  print("=== APLIKASI DATABASE PYTHON ===")

  print("1. Insert Data")

  print("2. Tampilkan Data")

  print("3. Update Data")

  print("4. Hapus Data")

  print("5. Cari Data")

  print("0. Keluar")

  print("------------------")

  menu = input("Pilih menu> ")

*#clear screen*

  os.system("clear")

  if menu == "1":

    insert\_data(db)

  elif menu == "2":

    show\_data(db)

  elif menu == "3":

    update\_data(db)

  elif menu == "4":

    delete\_data(db)

  elif menu == "5":

    search\_data(db)

  elif menu == "0":

    exit()

  else:

    print("Menu salah!")

if \_\_name\_\_ == "\_\_main\_\_":

  while(True):

    show\_menu(db)

**DATABASE**

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**A screenshot of a computer

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**HASIL RUNNING PROGRAM INSERT, UPDATE, DELETE**

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**1.Insert Data**

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**2.Tampilkan data**

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**3. Update Data**

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**4. Hapus Data**

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**5.Cari Data**

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**HASIL RUNNING PROGRAM SELECT**

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**HASIL DATA YANG MASUK DI DATABASE**

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