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| main.py |

import admission

import sports

import fees

import clear

def home():

print('1: Admission Details')

print('2: Sports Details')

print('3: Fees Details')

a = int(input('Enter your choice: '))

if(a == 1):

clear.clear()

admission.admission()

elif(a == 2):

clear.clear()

sports.sports()

elif(a == 3):

clear.clear()

fees.fees()

else:

clear.clear()

home()

home()

|  |
| --- |
| admission.py |

import connection

import clear

import pymysql

import main

import matplotlib.pyplot as plt

import numpy as np

def admission():

print('1: New Admission')

print('2: Students Details')

print('3: Edit Admission')

print('4: Delete Admission')

print('5: Classwise detail of students')

print('6: Back')

a = int(input('Enter your choice: '))

if(a == 1):

clear.clear()

print('Enter Admno.,Name,Class,Class Rollno.')

admno = int(input('Enter Admission no.: '))

name = input('Enter Name: ')

stu\_class = input('Enter Class (1-12): ')

rollno = int(input('Enter Roll no.: '))

newadmission(admno, name, stu\_class, rollno)

clear.clear()

print('You have successfully created new admission')

admission()

elif(a == 2):

clear.clear()

print('1: All Students')

print('2: Student by Admission no.')

print('3: back')

user = int(input('Enter Your Choice: '))

if(user == 1):

clear.clear()

allStudents()

admission()

elif(user == 2):

clear.clear()

b = int(input('Enter Admission no: '))

findStudentById(b)

admission()

else:

clear.clear()

admission()

elif(a == 3):

clear.clear()

choi = int(input('Enter Admission no. to edit: '))

name = input('Enter New Name: ')

stu\_class = input('Enter New Class: ')

rollno = input('Enter New Roll No.: ')

editStudent(choi, name, stu\_class, rollno)

clear.clear()

print('Successfully Edited student')

admission()

elif(a == 4):

clear.clear()

d = int(input('Enter Admission no: to Delete student'))

deleteStudent(d)

clear.clear()

print('Successfully deleted student')

admission()

elif(a == 5):

clear.clear()

allClasses()

admission()

else:

clear.clear()

return main.home()

def allClasses():

db = pymysql.connect("localhost", "root", "", "school\_management")

cursor = db.cursor()

ClassQuery = "Select \* from class\_master"

cursor.execute(ClassQuery)

rows = cursor.fetchall()

allClasses = [row[1] for row in rows]

query = "Select stu\_class from admission"

cursor.execute(query)

rows = cursor.fetchall()

a = [row for row in rows]

x = np.array(a)

plt.hist(x, color="blue")

plt.xticks(allClasses, weight='bold', size='large')

i = len(x)

plt.yticks(np.arange(0, len(a)+1, 1), weight='bold', size='large')

plt.xlabel('Classes')

plt.ylabel('No. of Students')

plt.title("Classwise Record", weight='bold')

plt.show()

db.commit()

db.close()

def editStudent(admno, name, stu\_class, rollno):

query = "Update admission set name=(%s),stu\_class=(%s),roll\_no=(%s) where admno=(%s)"

test = name, stu\_class, rollno, admno

connection.con(query, test)

def findStudentById(admno):

db = pymysql.connect("localhost", "root", "", "school\_management")

cursor = db.cursor()

query = "Select \* from admission where admno=(%s)"

cursor.execute(query, admno)

rows = cursor.fetchall()

for row in rows:

print(row)

db.commit()

db.close()

def deleteStudent(admno):

query = "delete from admission where admno=(%s)"

connection.con(query, admno)

def allStudents():

db = pymysql.connect("localhost", "root", "", "school\_management")

cursor = db.cursor()

query = "Select \* from admission"

cursor.execute(query)

rows = cursor.fetchall()

for row in rows:

print(row)

db.commit()

db.close()

def newadmission(admno, name, stu\_class, rollno):

query = "INSERT INTO `admission` (admno,name,stu\_class,roll\_no) VALUES (%s,%s,%s,%s)"

var = (admno, name, stu\_class, rollno)

connection.con(query, var)

|  |
| --- |
| sports.py |

import connection

import clear

import pymysql

import main

import matplotlib.pyplot as plt

import numpy as np

def sports():

print('1: Sports in school')

print("2: Add or edit Student's sport")

print('3: Return Student by sport')

print('4: Return sport by Admission no.')

print('5: All students with sports')

print('6: Graph of sports vs students')

print('7: Back')

sport = int(input('Enter your choice: '))

if(sport == 1):

clear.clear()

allSports()

sports()

elif(sport == 2):

clear.clear()

admno = int(input('Enter Admission no.: '))

allSportsForPrint()

sport = int(input('Choose your sport: '))

addSportToStudent(admno, sport)

sports()

elif(sport == 3):

clear.clear()

allSportsForPrint()

choi = int(input('Enter sport no. to see students: '))

seeStudentsBySport(choi)

sports()

elif(sport == 4):

clear.clear()

d = int(input('Enter Admission no.: '))

sportByAdmissionNo(d)

sports()

elif(sport == 5):

clear.clear()

allStudentsWithSport()

sports()

elif(sport == 6):

clear.clear()

allStudentsWithSportGraph()

sports()

else:

clear.clear()

return main.home()

def sportByAdmissionNo(admno):

db = pymysql.connect("localhost", "root", "", "school\_management")

cursor = db.cursor()

query = "Select sp.sport\_name from admission ad,sports sp where ad.admno=(%s) and ad.sport\_id=sp.id"

cursor.execute(query, admno)

rows = cursor.fetchall()

for row in rows:

print(row)

db.commit()

db.close()

def allStudentsWithSportGraph():

db = pymysql.connect("localhost", "root", "", "school\_management")

cursor = db.cursor()

sportQuery = "Select \* from sports"

cursor.execute(sportQuery)

rows = cursor.fetchall()

allSports = [row[1] for row in rows]

query = "Select ad.admno,ad.name,ad.stu\_class,ad.fees\_status,sp.sport\_name from admission ad,sports sp where ad.sport\_id=sp.id"

cursor.execute(query)

rows = cursor.fetchall()

a = [row[4] for row in rows]

x = np.array(a)

plt.hist(x, color="red", ec="red")

plt.xticks(allSports, weight='bold')

plt.yticks(np.arange(0, len(x)+1, 1), weight='bold', size='large')

plt.xlabel('Sports')

plt.ylabel('No. of Students')

plt.title("SportsWise Record", weight='bold')

plt.show()

db.commit()

db.close()

def allStudentsWithSport():

db = pymysql.connect("localhost", "root", "", "school\_management")

cursor = db.cursor()

query = "Select ad.admno,ad.name,ad.stu\_class,ad.fees\_status,sp.sport\_name from admission ad,sports sp where ad.sport\_id=sp.id"

cursor.execute(query)

rows = cursor.fetchall()

for row in rows:

print(row)

db.commit()

db.close()

def addSportToStudent(admno, sport):

query = "Update admission set sport\_id=(%s) where admno=(%s)"

var = (sport, admno)

connection.con(query, var)

clear.clear()

print('Sport had been added Successfully')

def seeStudentsBySport(sport):

db = pymysql.connect("localhost", "root", "", "school\_management")

cursor = db.cursor()

query = "Select ad.admno,ad.name,ad.stu\_class,ad.fees\_status,sp.sport\_name from admission ad,sports sp where ad.sport\_id=(%s) and sp.id=(%s)"

var = (sport, sport)

cursor.execute(query, var)

rows = cursor.fetchall()

for row in rows:

print(row)

db.commit()

db.close()

def allSports():

db = pymysql.connect("localhost", "root", "", "school\_management")

cursor = db.cursor()

query = "Select \* from sports"

cursor.execute(query)

rows = cursor.fetchall()

for row in rows:

print(row)

db.commit()

db.close()

def allSportsForPrint():

db = pymysql.connect("localhost", "root", "", "school\_management")

cursor = db.cursor()

query = "Select \* from sports"

cursor.execute(query)

rows = cursor.fetchall()

for row in rows:

print(row[0], ' : ', row[1])

db.commit()

db.close()

|  |
| --- |
| fees.py |

import connection

import clear

import pymysql

import main

import display\_connection

def fees():

print('1: Check Fees Status')

print('2: Fees Details (Annually)')

print('3: Add fees to Students')

print('4: Fees record')

print('5: Delete Fees Status')

print('6: Back')

a = int(input('Enter your choice: '))

if(a == 1):

clear.clear()

admno = int(input('Enter Admission no. to check fees status: '))

checkFeesStatus(admno)

fees()

elif(a == 2):

clear.clear()

feesDetail()

fees()

elif(a == 3):

clear.clear()

choi = int(input('Enter Admission no. to add fees: '))

addFeesByAdmno(choi)

clear.clear()

print('Successfully Fees had been added to student')

fees()

elif(a == 4):

clear.clear()

print('1. Student who Paid fees')

print('2. Student who had not Paid fees')

print('3. back')

d = int(input('Enter your choice'))

if(d == 1):

clear.clear()

studentPaidFees()

fees()

elif(d == 2):

clear.clear()

studentUnPaidFees()

fees()

else:

clear.clear()

fees()

elif(a == 5):

clear.clear()

admno = int(input('Enter Admission no. to Delete fees status: '))

deleteFeesStatus(admno)

clear.clear()

print('Successfully Fees had been Deleted')

fees()

else:

clear.clear()

return main.home()

def deleteFeesStatus(admno):

query = "Update admission set fees\_status=0 where admno=(%s)"

connection.con(query, admno)

def studentPaidFees():

db = pymysql.connect("localhost", "root", "", "school\_management")

cursor = db.cursor()

query = "Select admno,name,stu\_class,roll\_no from admission where fees\_status=1"

cursor.execute(query)

rows = cursor.fetchall()

print('Admono.'+'Name'+'Class,'+'Roll No.')

for row in rows:

print(row[0], row[1], row[2], row[3])

db.commit()

db.close()

def studentUnPaidFees():

db = pymysql.connect("localhost", "root", "", "school\_management")

cursor = db.cursor()

query = "Select admno,name,stu\_class,roll\_no from admission where fees\_status=0"

cursor.execute(query)

rows = cursor.fetchall()

print('Admono.'+'Name'+'Class,'+'Roll No.')

for row in rows:

print(row[0], row[1], row[2], row[3])

db.commit()

db.close()

def feesDetail():

db = pymysql.connect("localhost", "root", "", "school\_management")

cursor = db.cursor()

query = "Select class,amount from fees"

cursor.execute(query)

rows = cursor.fetchall()

print('Class,'+' Amount')

for row in rows:

print(row[0], ' = ', row[1])

db.commit()

db.close()

def addFeesByAdmno(admno):

query = "Update admission set fees\_status=1 where admno=(%s)"

connection.con(query, admno)

def checkFeesStatus(admno):

db = pymysql.connect("localhost", "root", "", "school\_management")

cursor = db.cursor()

query = "Select \* from admission where admno=(%s)"

cursor.execute(query, admno)

rows = cursor.fetchall()

for row in rows:

if(row[5] != 0):

print('-----Great !! Your fees is paid-----')

else:

print('-----Your fees is not paid Please pay as soon as possible-----')

db.commit()

db.close()

|  |
| --- |
| connection.py |

import pymysql

def con(query, var):

db = pymysql.connect("localhost", "root", "", "school\_management")

cursor = db.cursor()

cursor.execute(query, var)

db.commit()

db.close()

|  |
| --- |
| display\_connection.py |

import pymysql

def display\_con(query, var):

db = pymysql.connect("localhost", "root", "", "school\_management")

cursor = db.cursor()

cursor.execute(query, var)

rows = cursor.fetchall()

for row in rows:

return row

db.commit()

db.close()

|  |
| --- |
| clear.py |

import os

def clear():

if os.name == 'posix':

\_ = os.system('clear')

else:

\_ = os.system('cls')

|  |  |
| --- | --- |
| 1: Admission Details  2: Sports Details  3: Fees Details | Enter your choice: 1  1: New Admission  2: Students Details  3: Edit Admission  4: Delete Admission  5: Classwise detail of students  6: Back  Enter your choice: User Choice |
| Enter your choice: 1(Admission Module)  Enter Admno.,Name,Class,Rollno.  Enter Admission no.: 12894  Enter Name: arpan  Enter Class (1-12): 11  Enter Roll no.: 18  Successfully created new admission | Enter your choice: 2(Inside Admission)  1: All Students  2: Student by Admission no.  3: back |
| Enter your choice: 1(Inside Admission)  (12793, 'Arpan kanwer', '12')  (12653, 'Akashdeep', '12')  (12655, 'Prabhnoor', '11') | Enter your choice: 2(Inside Admission)  Enter Admission no: 12793  (17, 12793, 'Arpan kanwer', '12') |
| Enter your choice: 3(Admission Module)  Enter Admission no. to edit: 12793  Enter New Name: Arpan Kanwer  Enter New Class: 12  Enter New Roll No.: 10  Successfully Edited student | Enter your choice: 4(Admission Module)  Enter Admission no: to Delete student: 12894  Successfully deleted student |
| Enter your choice: 5(Admission Module) |  |
| Enter your choice: 2  1: Sports in school  2: Add or edit Student's sport  3: Return Student by sport  4: Return sport by Admission no.  5: All students with sports  6: Graph of sports vs students  7: Back | Enter your choice: 1(Sports Module)  (1, 'cricket')  (2, 'football')  (3, 'basketball')  (4, 'tennis')  (5, 'table tennis')  (6, 'baseball')  (7, 'hockey')  (8, 'chess')  (9, 'athletics')  (10, 'badminton')  (11, 'shooting') |
| Enter your choice: 2(Sports Module)  Enter Admission no.: 12793  Choose your sport: 1  Sport had been added Successfully | Enter your choice: 3(Sports Module)  Enter sport no. to see students: 1  (12793, 'Arpan Kanwer', '12','cricket')  (12655, 'Prabhnoor', '10' 'cricket') |
| Enter your choice: 4(Sports Module)  Enter Admission no.: 12793  ('cricket') | Enter your choice: 5(Sports Module)  (12793, 'Arpan Kanwer', '12','cricket')  (12655, 'Prabhnoor', '10' 'cricket') |
| Enter your choice: 6(Sports Module) |  |
| Enter your choice: 3  1: Check Fees Status  2: Fees Details (Annually)  3: Add fees to Students  4: Fees record  5: Delete Fees Status  6: Back | Enter your choice: 1(Fees Module)  Enter Admission no. to check fees status: 12793  -----Your fees is not paid Please pay as soon as possible----- |
| Enter your choice: 2(Fees Module)  Class, Amount  1 = 1000  2 = 2000  3 = 3000  4 = 4000  5 = 5000  6 = 6000  7 = 7000  8 = 8000  9 = 9000  10 = 10000  11 = 11000  12 = 12000 | Enter your choice: 3(Fees Module)  Enter Admission no. to add fees: 12793  Successfully Fees had been added to student |
| Enter your choice: 4(Fees Module)  1. Student who Paid fees  2. Student who had not Paid fees  3. back | Enter your choice: 1(Inside Fees)  Admono.NameClass,Roll No.  12793 Arpan Kanwer 12 10 |
| Enter your choice: 2(Inside Fees)  Admono.NameClass,Roll No.  12653 Akashdeep 12 3  12655 Prabhnoor 10 2 | Enter your choice: 5(Fees Module)  Enter Admission no. to Delete fees status: 12793  Successfully Fees had been Deleted |