

**Kendriya Vidyalaya No. 1AFS Darbhanga**

**2022-2023**

**Computer Science project**

**Employee Management System**

**Submitted To: Submitted By:**

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**Certificate**

This is to certify that **Sakshi, Adarsh, Simran, Gauri Shankar**, students of class **XII** have successfully completed the computer science project on the topic **Employee Management System** under the guidance of **Abhijeet Singh Gureniya** during the academic year 2022-2023 in the partial fulfilment of Computer Science Practical Examination conducted by CBSE, New Delhi.

**Internal Examiner**:

**External Examiner**:

**Principal**

**Acknowledgement**

I would like to express a deep sense of gratitude to Abhijeet Sir for guiding me through the course of the project.

I would also like to express my sincere thanks to **Mr. Anant Kumar Mishra, Principal, KV AFS Darbhanga** for his constant motivation which helped me in completion of the project with great ease.

I extent my sincere gratitude to my parents, and my friends for their timely help and support for completion of this project.

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**PROJECT MODULES:**

mysql-connector-python

**SOURCE CODE**

try:

import mysql.connector as mycon

except:

raise ImportError(“Please install mysql-connector-python”)

cn = mycon.connect(host='127.0.0.1',user='root',password="root@123",database="company")

cur = cn.cursor()

def showAll():

global cn

global cur

try:

query="select \* from emp"

cur.execute(query)

results = cur.fetchall()

print('%5s'%"EMPNO",'%15s'%'EMP NAME','%12s'%'DEPARTMENT','%10s'%'SALARY')

count=0

for row in results:

print('%5s' % row[0],'%15s'%row[1],'%12s'%row[2],'%10s'%row[3])

count+=1

print("TOTAL RECORDS : ",count)

except:

print("error")

def addEmp():

global cn,cur

eno = int(input("Enter employee number :"))

en = input("Enter employee name :")

dp = input("Enter department ")

sl = int(input("Enter Salary :"))

query="insert into emp values("+str(eno)+",'"+en+"','"+dp+"',"+str(sl)+")"

cur.execute(query)

cn.commit()

#print(query)

print("\n ## RECORD ADDED SUCCESSFULLY!")

def searchEmp():

global cn,cur

en = int(input("Enter Employee number to search :"))

query="select \* from emp where empno="+str(en)

cur.execute(query)

results = cur.fetchall()

if cur.rowcount<=0:

print("\## SORRY! NO MATCHING DETAILS AVAILABLE ##")

else:

print('%5s'%"EMPNO",'%15s'%'EMP NAME','%12s'%'DEPARTMENT','%10s'%'SALARY')

for row in results:

print('%5s' % row[0],'%15s'%row[1],'%12s'%row[2],'%10s'%row[3])

print("-"\*50)

def editEmp():

global cn,cur

en = int(input("Enter Employee number to edit :"))

query="select \* from emp where empno="+str(en)

cur.execute(query)

results = cur.fetchall()

if cur.rowcount<=0:

print("\## SORRY! NO MATCHING DETAILS AVAILABLE ##")

else:

print('%5s'%"EMPNO",'%15s'%'EMP NAME','%12s'%'DEPARTMENT','%10s'%'SALARY')

for row in results:

print('%5s' % row[0],'%15s'%row[1],'%12s'%row[2],'%10s'%row[3])

print("-"\*50)

ans = input("Are you sure to update ? (y/n)")

if ans=="y" or ans=="Y":

d = input("Enter new department to update (enter old value if not to update) :")

s = int(input("Enter new salary to update (enter old value if not to update) :"))

query="update emp set dept='"+d+"',salary="+str(s) + " where empno="+str(en)

cur.execute(query)

cn.commit()

print("\n## RECORD UPDATED ##")

def delEmp():

global cn,cur

en = int(input("Enter Employee number to delete :"))

query="select \* from emp where empno="+str(en)

cur.execute(query)

results = cur.fetchall()

if cur.rowcount<=0:

print("\## SORRY! NO MATCHING DETAILS AVAILABLE ##")

else:

print('%5s'%"EMPNO",'%15s'%'EMP NAME','%12s'%'DEPARTMENT','%10s'%'SALARY')

for row in results:

print('%5s' % row[0],'%15s'%row[1],'%12s'%row[2],'%10s'%row[3])

print("-"\*50)

ans = input("Are you sure to delete ? (y/n)")

if ans=="y" or ans=="Y":

query="delete from emp where empno="+str(en)

cur.execute(query)

cn.commit()

print("\n## RECORD DELETED ##")

def clear():

for i in range(1,50):

print()

while True:

print("1. SHOW EMPLOYEE LIST ")

print("2. ADD NEW EMPLOYEE")

print("3. SEARCH EMPLOYEE ")

print("4. EDIT EMPLOYEE ")

print("5. DELETE EMPLOYEE ")

print("6. CONTACT US")

print("0. EXIT")

ans = int(input("Enter your choice :"))

if ans==1:

showAll()

elif ans==2:

addEmp()

elif ans==3:

searchEmp()

elif ans==4:

editEmp()

elif ans==5:

delEmp()

elif ans==6:

print("AUTHOR : Adarsh and Sakshi and Simran and Gauri Shankar ")

elif ans==0:

print("\nBye!!")

cn.close()

break

**SCREENSHOTS**







