KENDRIYA VIDYALAYA NO. 1 AFS DARBHANGA

2022-2023

COMPUTER SCIENCE PROJECT

Employee Management System

Submitted To:
Abhijeet Singh Gureniya

Submitted By:
1) Sakshi
   Roll No: 26
2) Adarsh
   Roll No: 02
3) Simran
   Roll No: 35
4) Gauri Shankar
   Roll No: 07

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.

INDEX

PROJECT MODULES:

mysql-connector-python

SOURCE CODE

```python
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")
```

```python
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)
```

```python
        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:
```

```python
            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

```
C:\Users\HP 45\Documents\Class 12th CS project 2>python empproj.py
1. SHOW EMPLOYEE LIST
2. ADD NEW EMPLOYEE
3. SEARCH EMPLOYEE
4. EDIT EMPLOYEE
5. DELETE EMPLOYEE
6. GENERATE PAY SLIP
7. CONTACT US
0. EXIT
Enter your choice :_
```

```
C:\Users\HP 45\Documents\Class 12th CS project 2>python empproj.py
1. SHOW EMPLOYEE LIST
2. ADD NEW EMPLOYEE
3. SEARCH EMPLOYEE
4. EDIT EMPLOYEE
5. DELETE EMPLOYEE
6. CONTACT US
0. EXIT
Enter your choice :1
EMPNO        EMP NAME   DEPARTMENT     SALARY
    2        jitendra          it     120000
    3        surendra          it     350000
    4           vikas          hr      80000
    5           nitin          hr      56000
    6          Akshay   Marketing      95000
    7           Aamir          it     120000
    8          Ranvir       sales      60000
    9           NASIR      ACTING      75000
   10          akshay       sales       8000
   10           Namra  Supervisor      90000
    7             Abc           g         12
TOTAL RECORDS :  11
1. SHOW EMPLOYEE LIST
2. ADD NEW EMPLOYEE
3. SEARCH EMPLOYEE
4. EDIT EMPLOYEE
5. DELETE EMPLOYEE
6. CONTACT US
0. EXIT
Enter your choice :
```

```
C:\Windows\System32\cmd.exe - python empproj.py                                    —    □    ×

3. SEARCH EMPLOYEE
4. EDIT EMPLOYEE
5. DELETE EMPLOYEE
6. CONTACT US
0. EXIT
Enter your choice :3
Enter Employee number to search :5
EMPNO        EMP NAME    DEPARTMENT      SALARY
    5           nitin          hr        56000
------------------------------------------------
1. SHOW EMPLOYEE LIST
2. ADD NEW EMPLOYEE
3. SEARCH EMPLOYEE
4. EDIT EMPLOYEE
5. DELETE EMPLOYEE
6. CONTACT US
0. EXIT
Enter your choice :5
Enter Employee number to delete :_
```