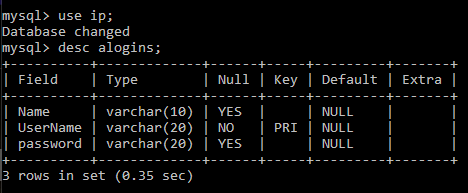
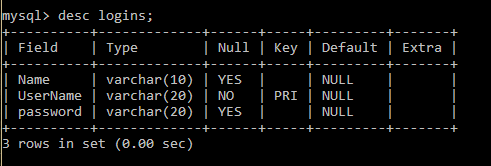
**MYSQL TABLES**

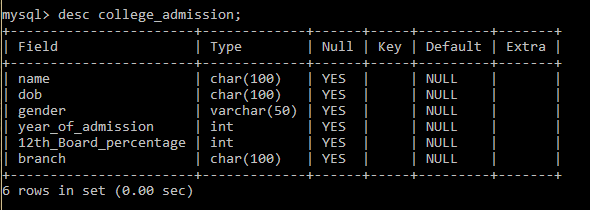
1. **Admin Login –**

****

1. **User Login –**

****

1. **College Data Table –**

****

**Python Coding**

**import mysql.connector as sqlt**

**import matplotlib.pyplot as mt**

**import pandas as pd**

**con=sqlt.connect(host='localhost',user='root',passwd='ojasaklecha',database='ip')**

**#outside window**

**#register**

**def register():**

**cur=con.cursor()**

**print("1. Register as Admin")**

**print("2. Register as Student")**

**c3=int(input("Enter your choice : "))**

**if c3==1:**

**x=str(input('Enter your Name :'))**

**print('-'\*60)**

**y=str(input('Create Username :'))**

**print('-'\*60)**

**z=str(input('Create Password :'))**

**print('-'\*60)**

**cur.execute("insert into alogins values('%s','%s','%s')"%(x,y,z))**

**con.commit()**

**else:**

**x=str(input('Enter your Name :'))**

**print('-'\*60)**

**y=str(input('Create Username :'))**

**print('-'\*60)**

**z=str(input('Create Password :'))**

**print('-'\*60)**

**cur.execute("insert into logins values('%s','%s','%s')"%(x,y,z))**

**con.commit()**

**#adminfunctions**

**#searchkaro**

**def searchkaro():**

**c1='y'**

**while (c1=='y' or c1=='Y'):**

**cur=con.cursor()**

**print("1. Name \n2. Gender \n3. Year of Admission \n4. 12th Percentage \n5. Branch")**

**cho=int(input("enter your choice : "))**

**if cho==1:**

**x=input("Enter the name : ")**

**quer=("select \* from college\_admission where name='%s';" %x)**

**cur.execute(quer)**

**row=cur.fetchall()**

**for z in row:**

**print(z)**

**print('\*'\*60)**

**else:**

**print('No Record Found...')**

**if cho==2:**

**print("Gender - \n1. Male \n2. Female \n3. Others")**

**x=input("Enter the Gender(type) : ")**

**quer=("select \* from college\_admission where gender='%s';" %x)**

**cur.execute(quer)**

**row=cur.fetchall()**

**for z in row:**

**print(z)**

**else:**

**print('No Record Found...')**

**print('\*'\*60)**

**if cho==3:**

**x=int(input("Enter the Year of Admission : "))**

**quer=("select \* from college\_admission where year\_of\_admission=%s;" %x)**

**cur.execute(quer)**

**row=cur.fetchall()**

**for z in row:**

**print(z)**

**else:**

**print('No Record Found...')**

**print('\*'\*60)**

**if cho==4:**

**x=int(input("Enter the 12th Percentage : "))**

**quer=("select \* from college\_admission where 12th\_Board\_percentage='%s';" %x)**

**cur.execute(quer)**

**row=cur.fetchall()**

**for z in row:**

**print(z)**

**else:**

**print('No Record Found...')**

**print('\*'\*60)**

**if cho==5:**

**print("Branchs - \n1. computer science \n2. electronics \n3. mechanical")**

**x=str(input("Enter the Branch(type) : "))**

**quer=("select \* from college\_admission where branch='%s';" %x)**

**cur.execute(quer)**

**row=cur.fetchall()**

**for z in row:**

**print(z)**

**else:**

**print('No Record Found...')**

**print('\*'\*60)**

**c1=input("Want to continue using function ? : press y for yes and press n for no : ")**

**#displaykaro**

**def displaykaro():**

**c1='y'**

**while (c1=='y' or c1=='Y'):**

**print('1. Tabular')**

**print('2. Graphical')**

**x=int(input('Select option to input : '))**

**if x==1 :**

**print('\*'\*60)**

**print("DISPLAY RECORDS IN TABULAR FORM")**

**print('\*'\*60)**

**cur=con.cursor()**

**cur.execute("select \* from college\_admission")**

**data=cur.fetchall()**

**for row in data:**

**print(row)**

**print('\*'\*60)**

**elif x==2:**

**print('1. Year Wise')**

**print('2. Branch Wise')**

**print('3. Gender Wise')**

**y=int(input('Select option to input : '))**

**if y==1:**

**df=pd.read\_sql('select year\_of\_admission,count(\*) from college\_admission group by year\_of\_admission',con)**

**mt.bar(df['year\_of\_admission'],df['count(\*)'])**

**mt.xlabel('Year')**

**mt.ylabel('Number of Students')**

**mt.title('Year Wise admission of number of students')**

**mt.show()**

**elif y==2:**

**df=pd.read\_sql('select branch,count(\*) from college\_admission group by branch',con)**

**mt.bar(df['branch'],df['count(\*)'])**

**mt.xlabel('Branch')**

**mt.ylabel('Number of Students')**

**mt.title('Branch Wise admission of number of students')**

**mt.show()**

**elif y==3:**

**df=pd.read\_sql('select gender,count(\*) from college\_admission group by gender',con)**

**mt.bar(df['gender'],df['count(\*)'])**

**mt.xlabel('Gender')**

**mt.ylabel('Number of Students')**

**mt.title('Gender Wise admission of number of students')**

**mt.show()**

**c1=input("Want to continue using function ? : press y for yes and press n for no : ")**

**#deletekaro**

**def deletekaro():**

**c1='y'**

**while (c1=='y' or c1=='Y'):**

**print('\*'\*60)**

**print("DELETE RECORDS")**

**print('\*'\*60)**

**cur=con.cursor()**

**cur.execute("select \* from college\_admission")**

**data=cur.fetchall()**

**for row in data:**

**print(row)**

**print('\*'\*60)**

**d=(input("ENTER NAME OF STUDENT WANTS TO DELETE : "))**

**print('\*'\*60)**

**cur=con.cursor()**

**cur.execute("select name from college\_admission")**

**data=cur.fetchall()**

**c=0**

**for row in data:**

**if row[0]==d:**

**c=1**

**break**

**if c==0:**

**print("Record not found")**

**else:**

**cur.execute("delete from college\_admission where name='%s'"%d)**

**con.commit()**

**print("Record deleted successfully.....")**

**c1=input("Want to continue using function ? : press y for yes and press n for no : ")**

**#updatekaro**

**def updatekaro():**

**c1='y'**

**while (c1=='y' or c1=='Y'):**

**print('\*'\*60)**

**print("UPDATE RECORDS")**

**print('\*'\*60)**

**cur=con.cursor()**

**cur.execute("select \* from college\_admission")**

**data=cur.fetchall()**

**for row in data:**

**print(row)**

**print('\*'\*60)**

**a=input("ENTERS NAME STUDENT WANTS TO CHANGE : ")**

**print('\*'\*60)**

**cur=con.cursor()**

**cur.execute("select name from college\_admission")**

**data=cur.fetchall()**

**c=0**

**for row in data:**

**if row[0]==a:**

**c=1**

**break**

**if c==0:**

**print("Record not found")**

**else:**

**d=input("ENTER NEW STUDENT NAME : ")**

**e=input("ENTER NEW DATE OF BIRTH(DD-MM-YYYY) : ")**

**h=input('ENTER NEW GENDER : ')**

**g=int(input('ENTER NEW YEAR OF ADMISSION(YYYY) : '))**

**f=int(input("ENTER NEW 12TH PERCENTAGE : "))**

**if f>=75 and f<80:**

**print('^'\*60)**

**print('You can opt only Electronics')**

**print('^'\*60)**

**cur=con.cursor()**

**cur.execute("update college\_admission set name='%s',dob='%s',gender='%s',year\_of\_admission=%s,12th\_Board\_percentage=%s,branch='%s' where name='%s'"%(d,e,h,g,f,'Electronics',a))**

**con.commit()**

**print("Record updated successfully...")**

**elif f>=80 and f<85 :**

**print('^'\*60)**

**print('You can opt Electronics or Mechanical')**

**print('^'\*60)**

**ao=(input('ENTER NEW SUBJECT : '))**

**cur=con.cursor()**

**cur.execute("update college\_admission set name='%s',dob='%s',gender='%s',year\_of\_admission=%s,12th\_Board\_percentage=%s,branch='%s' where name='%s'"%(d,e,h,g,f,ao,a))**

**con.commit()**

**print("Record updated successfully...")**

**elif f>=85 and f<=100:**

**print('^'\*60)**

**print('You can opt Electronics or Mechanical or Computer Science')**

**print('^'\*60)**

**ao=(input('ENTER NEW SUBJECT : '))**

**cur=con.cursor()**

**cur.execute("update college\_admission set name='%s',dob='%s',gender='%s',year\_of\_admission=%s,12th\_Board\_percentage=%s,branch='%s' where name='%s'"%(d,e,h,g,f,ao,a))**

**con.commit()**

**print('Records updated successfully...')**

**c1=input("Want to Continue using function ? : press y for yes and press n for no : ")**

**#adminpresentation**

**def adminlogin():**

**c='y'**

**while (c=='y' or c=='Y'):**

**print('='\*60)**

**print("WELCOME TO ADMIN DASHBOARD")**

**print('='\*60)**

**print("1. DISPLAY STUDENT LIST")**

**print("2. UPDATE STUDENT RECORD")**

**print("3. DELETE STUDENT RECORD")**

**print("4. SEARCH STUDENT DETAILS")**

**print('#'\*60)**

**c2=int(input("Enter your choice : "))**

**if c2==1:**

**displaykaro()**

**elif c2==2:**

**updatekaro()**

**elif c2==3:**

**deletekaro()**

**elif c2==4:**

**searchkaro()**

**else:**

**print('Wrong Choice Entered')**

**print('='\*60)**

**print('+'\*60)**

**c=input("Do you want to continue in the portal ? : press y for yes and press n for no : ")**

**print('+'\*60)**

**#login**

**def alogin():**

**cur=con.cursor()**

**cur.execute("select UserName,password from alogins")**

**data=cur.fetchall()**

**x=input('Enter your username : ')**

**y=input('Enter your password : ')**

**for row1,row2 in data:**

**if x==row1 and y==row2:**

**print('\*'\*60)**

**print("Login successfully...")**

**print('\*'\*60)**

**adminlogin()**

**break**

**else:**

**print('\*'\*60)**

**print("Wrong credentials...")**

**print('\*'\*60)**

**#userfuntions**

**def userlogin():**

**#display records**

**def display():**

**c1='y'**

**while(c1=='y' or c1=='Y'):**

**print('\*'\*60)**

**print("DISPLAY RECORDS")**

**print('\*'\*60)**

**e=input('ENTER YOUR NAME AS PER RECORD : ')**

**cur=con.cursor()**

**cur.execute("select \* from college\_admission where name='%s'"%e)**

**data=cur.fetchall()**

**for row in data:**

**print(row)**

**print('\*'\*60)**

**c1=input("Want to continue: press y for yes and press n for no : ")**

**print('\*'\*60)**

**#insert records**

**def insert():**

**c1='y'**

**while(c1=='y' or c1=='Y'):**

**print('\*'\*80)**

**print("NEW ADMISSION")**

**print('\*'\*80)**

**d=str(input('enter your name : '))**

**print('\*'\*80)**

**e=str(input('enter your dob(DD-MM-YYYY) : '))**

**print('\*'\*80)**

**h=str(input('enter your gender(Male/Female/Others) : '))**

**print('\*'\*80)**

**g=str(input('enter the year of admission(YYYY) : '))**

**print('\*'\*80)**

**f=float(input('enter your 12th boards percentage : '))**

**print('\*'\*80)**

**if f>=75 and f<80 :**

**print('you can choose ELECTRONICS as your branch')**

**y=(input('Do you want to take (y/n) : '))**

**print('\*'\*80)**

**if y=='y' or y=='Y' or y=='yes' or y=='Yes' :**

**cur=con.cursor()**

**cur.execute("insert into college\_admission values('%s','%s','%s','%s','%s','%s')"%(d,e,h,g,f,'ELECTRONICS'))**

**con.commit()**

**print('whohooooo you are the part of our family.....')**

**else :**

**print('Sorry ! about that....')**

**elif f>=80 and f<85:**

**print('You can choose MECHANICAL or ELECTRONICS as your Branch')**

**ok=(input('do you want to take (y/n) : '))**

**if ok=='y' or ok=='Y' or ok=='yes' or ok=='Yes' :**

**u=(input('Which branch you want to choose : '))**

**if u=='mechanical' or u=='electronics' or u=='Mechanical' or u=='Electronics':**

**cur=con.cursor()**

**cur.execute("insert into college\_admission values('%s','%s','%s','%s','%s','%s')"%(d,e,h,g,f,u))**

**con.commit()**

**print('whohooooooo you are the part of our family')**

**else :**

**print('Sorry about that.......')**

**else:**

**print('thanks for your concern')**

**elif f>=85 and f<=100:**

**print('You can choose ELECTRONICS or MECHANICAL or COMPUTER SCIENCE')**

**j=(input('Do you want to take (y/n) : '))**

**if j=='y' or j=='Y' or j=='yes' or j=='Yes':**

**v=(input('Which branch you want to take : '))**

**if v=='mechanical' or v=='electronics' or v=='Mechanical' or v=='Electronics' or v=='Computer Science' or v=='computer science':**

**cur=con.cursor()**

**cur.execute("insert into college\_admission values('%s','%s','%s','%s','%s','%s')"%(d,e,h,g,f,v))**

**con.commit()**

**print('whohoooooo you are the part of our family.....')**

**else :**

**print('thanks for concern')**

**else:**

**print('thanks for concern')**

**elif f<75 :**

**print('Sorry you can not be enrolled.....')**

**elif f>100 and f<=0 :**

**print('NoWay It is Not Possible')**

**print('\*'\*80)**

**c1=input("Want to Continue ? : press y for yes and press n for no : ")**

**#delete records**

**def delete():**

**c1='y'**

**while (c1=='y' or c1=='Y'):**

**print('\*'\*60)**

**print("DELETE RECORDS")**

**print('\*'\*60)**

**cur=con.cursor()**

**cur.execute("select \* from college\_admission")**

**data=cur.fetchall()**

**for row in data:**

**print(row)**

**print('\*'\*60)**

**d=(input("ENTER NAME OF STUDENT WANTS TO DELETE : "))**

**print('\*'\*60)**

**cur=con.cursor()**

**cur.execute("select name from college\_admission")**

**data=cur.fetchall()**

**c=0**

**for row in data:**

**if row[0]==d:**

**c=1**

**break**

**if c==0:**

**print("Record not found")**

**else:**

**cur.execute("delete from college\_admission where name='%s'"%(d))**

**con.commit()**

**print("Record deleted successfully.....")**

**c1=input("Want to continue ? : press y for yes and press n for no : ")**

**#update records**

**def update():**

**c1='y'**

**while (c1=='y' or c1=='Y'):**

**print('\*'\*60)**

**print("UPDATE RECORDS")**

**print('\*'\*60)**

**cur=con.cursor()**

**cur.execute("select \* from college\_admission")**

**data=cur.fetchall()**

**for row in data:**

**print(row)**

**print('\*'\*60)**

**a=(input("ENTERS NAME STUDENT WANTS TO CHANGE : "))**

**print('\*'\*60)**

**cur=con.cursor()**

**cur.execute("select name from college\_admission")**

**data=cur.fetchall()**

**c=0**

**for row in data:**

**if row[0]==a:**

**c=1**

**break**

**if c==0:**

**print("Record not found")**

**else:**

**d=input("ENTER NEW STUDENT NAME : ")**

**e=input("ENTER NEW DATE OF BIRTH (DD-MM-YYYY) : ")**

**g=input('ENTER NEW YEAR OF ADMISSION(YYYY) : ')**

**f=float(input("ENTER NEW 12TH PERCENTAGE : "))**

**h=str(input('ENTER YOUR GENDER(MALE/FEMALE/OTHERS) : '))**

**if f>=75 and f<80:**

**cur=con.cursor()**

**cur.execute("update college\_admission set name='%s',dob='%s',gender='%s',year\_of\_admission=%s,12th\_Board\_percentage=%s,branch='%s' where name='%s'"%(d,e,h,g,f,'Electronics',a))**

**con.commit()**

**print("Record updated successfully...")**

**elif f>=80 and f<85 :**

**ao=(input('what is your current branch : '))**

**n=input("Enter new branch : Electrical or Mechanical : ")**

**if ao=='Electronics' or ao=='electronics':**

**cur=con.cursor()**

**cur.execute("update college\_admission set name='%s',dob='%s',gender='%s',year\_of\_admission=%s,12th\_Board\_percentage=%s,branch='%s' where name='%s'"%(d,e,h,g,f,'Electrical',a))**

**con.commit()**

**print("Record updated successfully...")**

**elif ao=='Mechanics' or ao=='mechanics':**

**cur=con.cursor()**

**cur.execute("update college\_admission set name='%s',dob='%s',gender='%s',year\_of\_admission=%s,12th\_Board\_percentage=%s,branch='%s' where name='%s'"%(d,e,h,g,f,'Mechanical',a))**

**con.commit()**

**print("Record updated successfully...")**

**elif f>=85 and f<=100:**

**ao=(input('what is your current branch : '))**

**jai=(input('Enter you new branch : Electrical or Mechanical or Computer Science : '))**

**cur=con.cursor()**

**cur.execute("update college\_admission set name='%s',dob='%s',gender='%s',year\_of\_admission=%s,12th\_Board\_percentage=%s,branch='%s' where name='%s'"%(d,e,h,g,f,jai,a))**

**con.commit()**

**print("Record updated successfully...")**

**c1=input("Want to Continue ? : press y for yes and press n for no : ")**

**#userpresentation**

**c='y'**

**while (c=='y' or c=='Y'):**

**print('\*'\*60)**

**print(" USER LOGIN PORTAL")**

**print('\*'\*60)**

**print(" 1. NEW ADMISSION")**

**print(" 2. DISPLAY RECORDS")**

**print(" 3. DELETE YOUR RECORD")**

**print(" 4. UPDATE RECORD")**

**ch=int(input("Enter your choice : "))**

**if ch==1:**

**insert()**

**if ch==2:**

**display()**

**if ch==3:**

**delete()**

**if ch==4:**

**update()**

**if ch>=5:**

**print("wrong choice entered")**

**print('\*'\*60)**

**c=input("Do you want to continue in the portal ? : press y for yes and press n for no : ")**

**else:**

**print('\*'\*60)**

**print(" Have a nice day!")**

**print('\*'\*60)**

**#userloginpresentation**

**def ulogin():**

**cur=con.cursor()**

**cur.execute("select UserName,password from logins")**

**data=cur.fetchall()**

**x=input('Enter your username : ')**

**y=input('Enter your password : ')**

**for row1,row2 in data:**

**if x==row1 and y==row2:**

**print('\*'\*60)**

**print("Login successfully...")**

**print('\*'\*60)**

**userlogin()**

**break**

**else:**

**print('\*'\*60)**

**print("Wrong credentials...")**

**print('\*'\*60)**

**#outerpresentation**

**c='n'**

**while (c=='n' or c=='N'):**

**print('-'\*60)**

**print('Welcome To XYZ College')**

**print('-'\*60)**

**print('1.Register')**

**print('2.Login')**

**print('+'\*60)**

**ch=int(input("Enter your choice : "))**

**print('+'\*60)**

**if ch==1:**

**print('\*'\*60)**

**print('Welcome to the Registration Box')**

**print('\*'\*60)**

**register()**

**print('You are Successfully Registered!!!')**

**elif ch==2:**

**z='n'**

**while (z=='n' or z=='N'):**

**print("1. Admin Login")**

**print("2. User Login")**

**print('-'\*60)**

**c1=int(input("Enter your choice : "))**

**print('-'\*60)**

**if c1==1:**

**alogin()**

**elif c1==2:**

**ulogin()**

**else:**

**print('Wrong Choice Entered')**

**print('\*'\*60)**

**z=input("Want to log out from login menu ? : press y for yes and press n for no : ")**

**print('\*'\*60)**

**else:**

**print("wrong choice entered!!!")**

**print('\*'\*60)**

**c=input("Want to exit ? : press y for yes and press n for no : ")**

**else:**

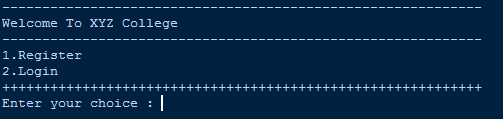
**print('\*'\*60)**

**print(" Have a nice day!")**

**print('\*'\*60)**

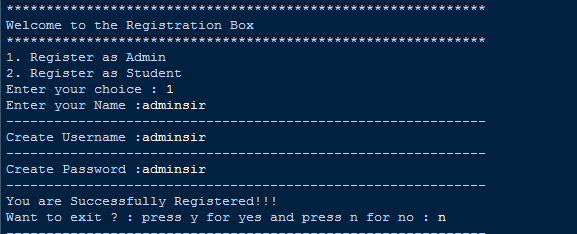
**Output**

**Registration/Login-**

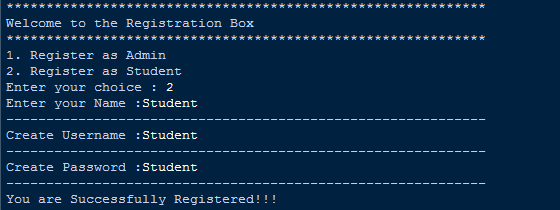
****

**Register -**

**Admin –**

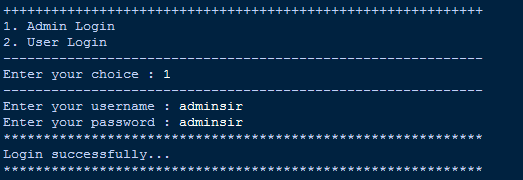
****

**User –**

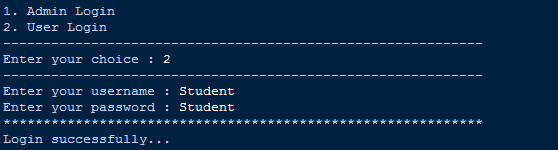


**Login –**

**Admin –**

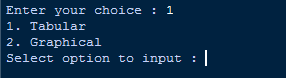
****

**User –**

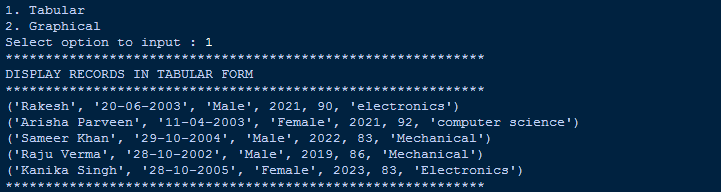
****

**Admin Functions –**

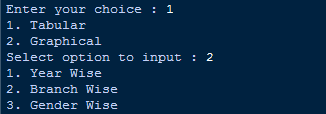
1. **Display –**

****

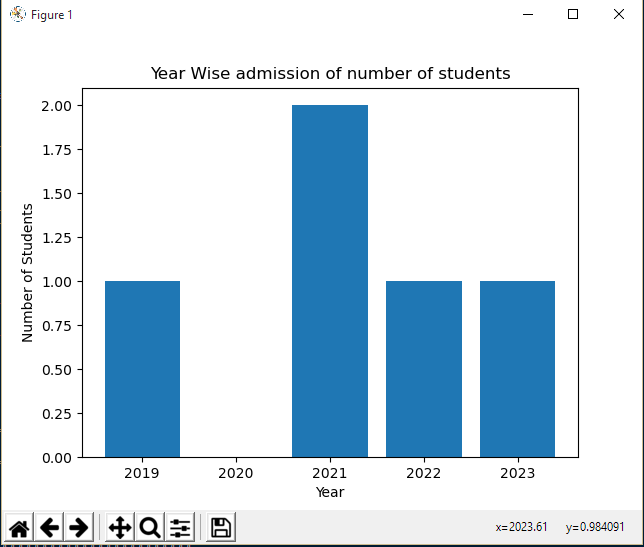
1. **Tabular –**

****

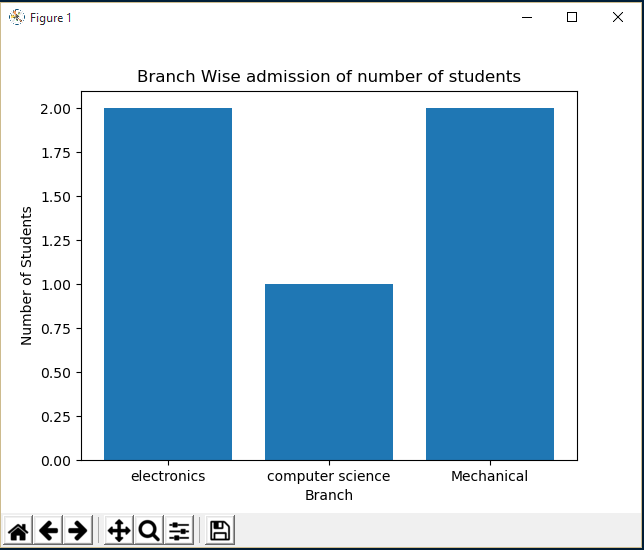
1. **Graphical –**

****

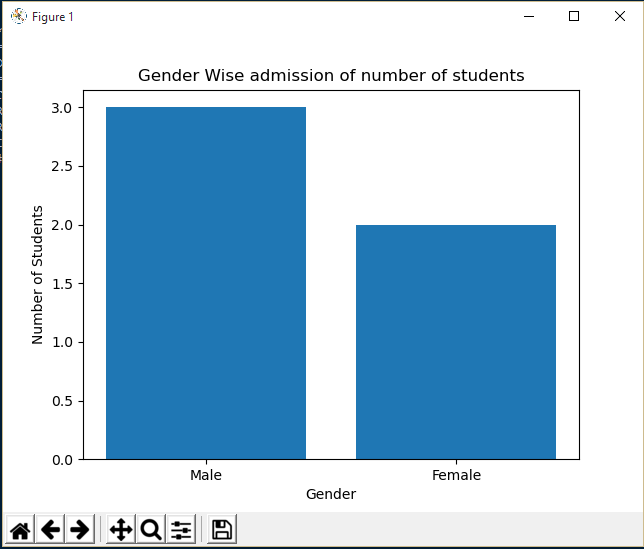
**Year Wise –**

****

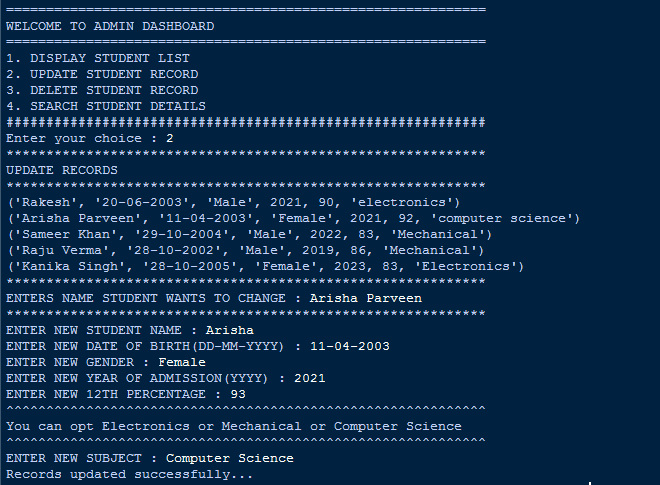
**Branch Wise –**

****

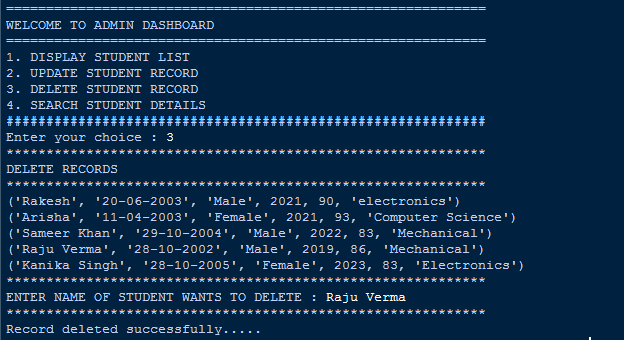
**Gender Wise –**

****

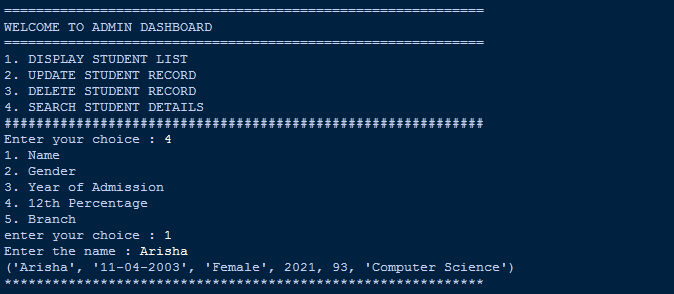
1. **Update –**



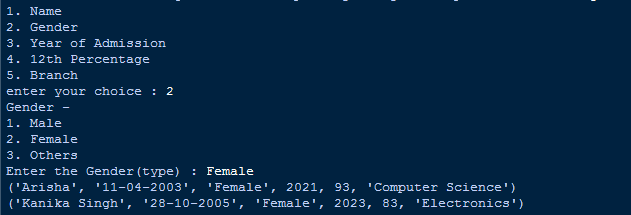
1. **Delete –**

****

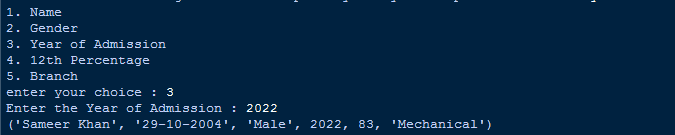
1. **Search –**
2. **Name –**

****

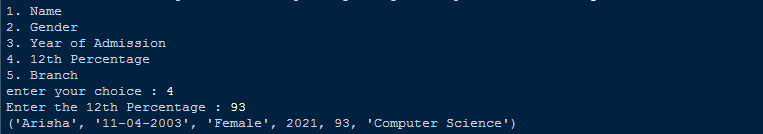
1. **Gender –**

****

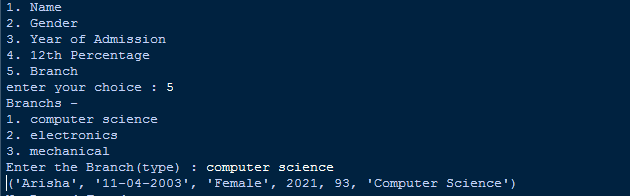
1. **Year Of Admission –**

****

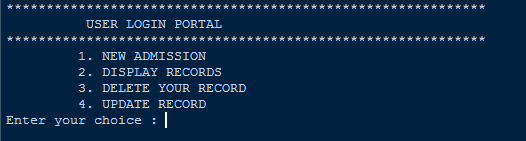
1. **12th Percentage –**

****

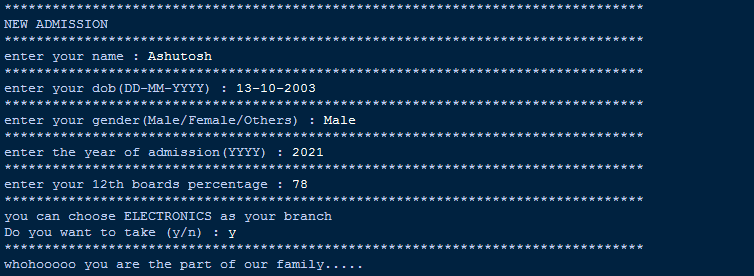
1. **Branch –**

****

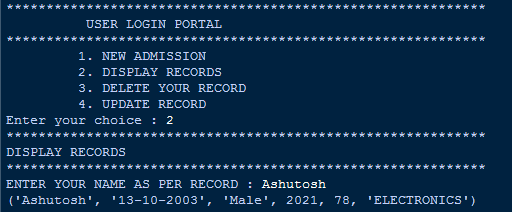
**User –**

****

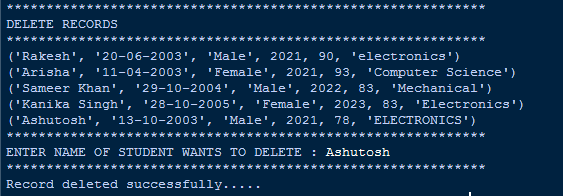
1. **New Admission –**

****

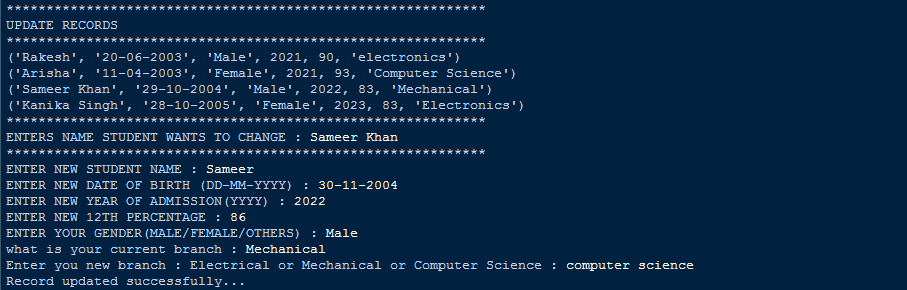
1. **Display –**

****

1. **Delete –**

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1. **Update –**

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