# TASK 3:

#include<iostream>

#include<fstream>

#include<string>

using namespace std;

class student

{

public:

string C\_id;

string name;

string gender;

string cgpa;

fstream obj;

student() { }

void getData(string C\_id, string name, string gender, string cgpa)

{

obj.open("student.txt", ios::app);

this->name = name;

this->gender = gender;

this->C\_id = C\_id;

this->cgpa = cgpa;

obj << C\_id << " " << name << " " << gender << " " << cgpa << endl;

obj.close();

}

void displayData()

{

cout << "C\_id: " << C\_id << endl;

cout << "Name: " << name << endl;

cout << "Gender: " << gender << endl;

cout << "CGPA: " << gender << endl << endl;

}

};

class Faculty

{

string S\_id;

string name;

string course;

string CrHours;

fstream obj;

public:

Faculty() { }

void getData(string S\_id, string name, string course, string CrHours)

{

obj.open("Faculty.txt", ios::app);

this->name = name;

this->course = course;

this->S\_id = S\_id;

this->CrHours = CrHours;

obj << S\_id << " " << name << " " << course << " " << CrHours << endl;

obj.close();

}

void displayData()

{

cout << "C\_id: " << S\_id << endl;

cout << "Name: " << name << endl;

cout << "Course: " << course << endl;

cout << "CrHours: " << CrHours << endl << endl;

}

};

void dataSort()

{

fstream obj1;

student s[9];

obj1.open("student.txt", ios::in);

for (int i = 0; i < 8; i++)

{

obj1 >> s[i].C\_id >> s[i].name >> s[i].gender >> s[i].cgpa;

}

for (int i = 0; i < 8; i++)

{

for (int j = 0; j < 8; j++)

{

if (s[j].name < s[j + 1].name)

{

swap(s[j], s[j + 1]);

}

}

}

for (int i = 0; i < 8 ; ++i)

{

cout << s[i].C\_id << " " << s[i].name << " " << s[i].gender << " " << s[i].cgpa << endl;

}

}

int main()

{

student s[8];

s[0].getData("1000", "Ali", "M", "2.56");

s[1].getData("1001", "Usman", "M", "3.56");

s[2].getData("1002", "AliHaider", "M", "4.00");

s[3].getData("1003", "Ayesha", "M", "0.59");

s[4].getData("1004", "Amina", "F", "1.89");

s[5].getData("1005", "Zainab", "F", "2.89");

s[6].getData("1006", "Aiman", "F", "3.44");

s[7].getData("1008", "Raza", "M", "1.99");

Faculty f[10];

f[0].getData("2000", "Luqman", "Programming Fundamentals", "4");

f[1].getData("2001", "Hamza", "OOP", "4");

f[2].getData("2002", "Luqman", "Data Mining", "3");

f[3].getData("2003", "Amjad", "Machine Learning", "3");

f[4].getData("2004", "Luqman", "Operating Sysytem", "4");

f[5].getData("2005", "Akmal", "Communication Skills", "3");

f[6].getData("2006", "Babar", "Linear Algebra", "3");

f[7].getData("2007", "Saima", "Probability", "3");

f[8].getData("2008", "Romana", "Pakistan Studies", "2");

f[9].getData("2009", "Zuha", "Database Systems", "4");

dataSort();

return 0;

}

OUTPUT:

# 

# TASK 4:

#include<iostream>

#include<fstream>

#include<string>

using namespace std;

class student

{

public:

string C\_id;

string name;

string gender;

string cgpa;

fstream obj;

student() { }

void getData(string C\_id, string name, string gender, string cgpa)

{

obj.open("student.txt", ios::app);

this->name = name;

this->gender = gender;

this->C\_id = C\_id;

this->cgpa = cgpa;

obj << C\_id << " " << name << " " << gender << " " << cgpa << endl;

obj.close();

}

void displayData()

{

cout << "C\_id: " << C\_id << endl;

cout << "Name: " << name << endl;

cout << "Gender: " << gender << endl;

cout << "CGPA: " << gender << endl << endl;

}

};

class Faculty

{

string S\_id;

string name;

string course;

string CrHours;

fstream obj;

public:

Faculty() { }

void getData(string S\_id, string name, string course, string CrHours)

{

obj.open("Faculty.txt", ios::app);

this->name = name;

this->course = course;

this->S\_id = S\_id;

this->CrHours = CrHours;

obj << S\_id << " " << name << " " << course << " " << CrHours << endl;

obj.close();

}

void displayData()

{

cout << "C\_id: " << S\_id << endl;

cout << "Name: " << name << endl;

cout << "Course: " << course << endl;

cout << "CrHours: " << CrHours << endl << endl;

}

};

void MaleStd()

{

fstream obj1;

student s[9];

obj1.open("student.txt", ios::in);

for (int i = 0; i < 8; i++)

{

obj1 >> s[i].C\_id >> s[i].name >> s[i].gender >> s[i].cgpa;

}

for (int i = 0; i < 8 ; ++i)

{

if (s[i].gender == "M")

{

cout << s[i].C\_id << " " << s[i].name << " " << s[i].gender << " " << s[i].cgpa << endl;

}

}

}

int main()

{

student s[8];

s[0].getData("1000", "Ali", "M", "2.56");

s[1].getData("1001", "Usman", "M", "3.56");

s[2].getData("1002", "AliHaider", "M", "4.00");

s[3].getData("1003", "Ayesha", "M", "0.59");

s[4].getData("1004", "Amina", "F", "1.89");

s[5].getData("1005", "Zainab", "F", "2.89");

s[6].getData("1006", "Aiman", "F", "3.44");

s[7].getData("1008", "Raza", "M", "1.99");

Faculty f[10];

f[0].getData("2000", "Luqman", "Programming Fundamentals", "4");

f[1].getData("2001", "Hamza", "OOP", "4");

f[2].getData("2002", "Luqman", "Data Mining", "3");

f[3].getData("2003", "Amjad", "Machine Learning", "3");

f[4].getData("2004", "Luqman", "Operating Sysytem", "4");

f[5].getData("2005", "Akmal", "Communication Skills", "3");

f[6].getData("2006", "Babar", "Linear Algebra", "3");

f[7].getData("2007", "Saima", "Probability", "3");

f[8].getData("2008", "Romana", "Pakistan Studies", "2");

f[9].getData("2009", "Zuha", "Database Systems", "4");

MaleStd();

return 0;

# } OUTPUT:

# 

# TASK 5:

#include<iostream>

#include<fstream>

#include<string>

using namespace std;

class student

{

public:

string C\_id;

string name;

string gender;

string cgpa;

fstream obj;

student() { }

void getData(string C\_id, string name, string gender, string cgpa)

{

obj.open("student.txt", ios::app);

this->name = name;

this->gender = gender;

this->C\_id = C\_id;

this->cgpa = cgpa;

obj << C\_id << " " << name << " " << gender << " " << cgpa << endl;

obj.close();

}

void displayData()

{

cout << "C\_id: " << C\_id << endl;

cout << "Name: " << name << endl;

cout << "Gender: " << gender << endl;

cout << "CGPA: " << gender << endl << endl;

}

};

class Faculty

{

string S\_id;

string name;

string course;

string CrHours;

fstream obj;

public:

Faculty() { }

void getData(string S\_id, string name, string course, string CrHours)

{

obj.open("Faculty.txt", ios::app);

this->name = name;

this->course = course;

this->S\_id = S\_id;

this->CrHours = CrHours;

obj << S\_id << " " << name << " " << course << " " << CrHours << endl;

obj.close();

}

void displayData()

{

cout << "C\_id: " << S\_id << endl;

cout << "Name: " << name << endl;

cout << "Course: " << course << endl;

cout << "CrHours: " << CrHours << endl << endl;

}

};

bool isStart(string s1, string s2, int l1, int l2)

{

if (l1 < l2)

{

return false;

}

for (int i = 0; i < l2; i++)

{

if (s1[i] != s2[i])

{

return false;

}

}

return true;

}

void AStd()

{

fstream obj1;

student s[9];

int l1 = 0, l2 = 0;

obj1.open("student.txt", ios::in);

for (int i = 0; i < 8; i++)

{

obj1 >> s[i].C\_id >> s[i].name >> s[i].gender >> s[i].cgpa;

}

for (int i = 0; i < 8 ; ++i)

{

l1 = s[i].name.length();

l2 = 1;

if (isStart(s[i].name, "A", l1, l2))

{

cout << s[i].C\_id << " " << s[i].name << " " << s[i].gender << " " << s[i].cgpa << endl;

}

}

}

int main()

{

student s[8];

s[0].getData("1000", "Ali", "M", "2.56");

s[1].getData("1001", "Usman", "M", "3.56");

s[2].getData("1002", "AliHaider", "M", "4.00");

s[3].getData("1003", "Ayesha", "M", "0.59");

s[4].getData("1004", "Amina", "F", "1.89");

s[5].getData("1005", "Zainab", "F", "2.89");

s[6].getData("1006", "Aiman", "F", "3.44");

s[7].getData("1008", "Raza", "M", "1.99");

Faculty f[10];

f[0].getData("2000", "Luqman", "Programming Fundamentals", "4");

f[1].getData("2001", "Hamza", "OOP", "4");

f[2].getData("2002", "Luqman", "Data Mining", "3");

f[3].getData("2003", "Amjad", "Machine Learning", "3");

f[4].getData("2004", "Luqman", "Operating Sysytem", "4");

f[5].getData("2005", "Akmal", "Communication Skills", "3");

f[6].getData("2006", "Babar", "Linear Algebra", "3");

f[7].getData("2007", "Saima", "Probability", "3");

f[8].getData("2008", "Romana", "Pakistan Studies", "2");

f[9].getData("2009", "Zuha", "Database Systems", "4");

AStd();

return 0;

# } OUTPUT:

# 

# TASK 6:

#include<iostream>

#include<fstream>

#include<string>

using namespace std;

class student

{

public:

string C\_id;

string name;

string gender;

string cgpa;

fstream obj;

student() { }

void getData(string C\_id, string name, string gender, string cgpa)

{

obj.open("student.txt", ios::app);

this->name = name;

this->gender = gender;

this->C\_id = C\_id;

this->cgpa = cgpa;

obj << C\_id << " " << name << " " << gender << " " << cgpa << endl;

obj.close();

}

void displayData()

{

cout << "C\_id: " << C\_id << endl;

cout << "Name: " << name << endl;

cout << "Gender: " << gender << endl;

cout << "CGPA: " << gender << endl << endl;

}

};

class Faculty

{

string S\_id;

string name;

string course;

string CrHours;

fstream obj;

public:

Faculty() { }

void getData(string S\_id, string name, string course, string CrHours)

{

obj.open("Faculty.txt", ios::app);

this->name = name;

this->course = course;

this->S\_id = S\_id;

this->CrHours = CrHours;

obj << S\_id << " " << name << " " << course << " " << CrHours << endl;

obj.close();

}

void displayData()

{

cout << "C\_id: " << S\_id << endl;

cout << "Name: " << name << endl;

cout << "Course: " << course << endl;

cout << "CrHours: " << CrHours << endl << endl;

}

};

void gpa()

{

fstream obj1;

student s[9];

int l1 = 0, l2 = 0;

obj1.open("student.txt", ios::in);

for (int i = 0; i < 8; i++)

{

obj1 >> s[i].C\_id >> s[i].name >> s[i].gender >> s[i].cgpa;

}

for (int i = 0; i < 8 ; ++i)

{

if ((s[i].cgpa>"2.99"))

{

cout << s[i].C\_id << " " << s[i].name << " " << s[i].gender << " " << s[i].cgpa << endl;

}

}

}

int main()

{

student s[8];

s[0].getData("1000", "Ali", "M", "2.56");

s[1].getData("1001", "Usman", "M", "3.56");

s[2].getData("1002", "AliHaider", "M", "4.00");

s[3].getData("1003", "Ayesha", "M", "0.59");

s[4].getData("1004", "Amina", "F", "1.89");

s[5].getData("1005", "Zainab", "F", "2.89");

s[6].getData("1006", "Aiman", "F", "3.44");

s[7].getData("1008", "Raza", "M", "1.99");

Faculty f[10];

f[0].getData("2000", "Luqman", "Programming Fundamentals", "4");

f[1].getData("2001", "Hamza", "OOP", "4");

f[2].getData("2002", "Luqman", "Data Mining", "3");

f[3].getData("2003", "Amjad", "Machine Learning", "3");

f[4].getData("2004", "Luqman", "Operating Sysytem", "4");

f[5].getData("2005", "Akmal", "Communication Skills", "3");

f[6].getData("2006", "Babar", "Linear Algebra", "3");

f[7].getData("2007", "Saima", "Probability", "3");

f[8].getData("2008", "Romana", "Pakistan Studies", "2");

f[9].getData("2009", "Zuha", "Database Systems", "4");

gpa();

return 0;

# } OUTPUT:

# 

# TASK 7:

#include<iostream>

#include<fstream>

#include<string>

using namespace std;

class student

{

public:

string C\_id;

string name;

string gender;

string cgpa;

fstream obj;

student() { }

void getData(string C\_id, string name, string gender, string cgpa)

{

obj.open("student.txt", ios::app);

this->name = name;

this->gender = gender;

this->C\_id = C\_id;

this->cgpa = cgpa;

obj << C\_id << " " << name << " " << gender << " " << cgpa << endl;

obj.close();

}

void displayData()

{

cout << "C\_id: " << C\_id << endl;

cout << "Name: " << name << endl;

cout << "Gender: " << gender << endl;

cout << "CGPA: " << gender << endl << endl;

}

};

class Faculty

{

public:

string S\_id;

string name;

string course;

string CrHours;

fstream obj;

Faculty() { }

void getData(string S\_id, string name, string course, string CrHours)

{

obj.open("Faculty.txt", ios::app);

this->name = name;

this->course = course;

this->S\_id = S\_id;

this->CrHours = CrHours;

obj << S\_id << " " << name << " " << course << " " << CrHours << endl;

obj.close();

}

void displayData()

{

cout << "C\_id: " << S\_id << endl;

cout << "Name: " << name << endl;

cout << "Course: " << course << endl;

cout << "CrHours: " << CrHours << endl << endl;

}

};

bool isStart(string s1, string s2, int l1, int l2)

{

if (l1 < l2)

{

return false;

}

for (int i = 0; i < l2; i++)

{

if (s1[i] != s2[i])

{

return false;

}

}

return true;

}

void L\_Faculty()

{

fstream obj1;

Faculty f[10];

int l1 = 0, l2 = 0;

obj1.open("Faculty.txt", ios::in);

for (int i = 0; i < 10; i++)

{

obj1 >> f[i].S\_id >> f[i].name >> f[i].course >> f[i].CrHours;

}

for (int i = 0; i < 10; i++)

{

l1 = f[i].name.length();

l2 = 1;

if (isStart(f[i].name, "L", l1, l2))

{

cout << f[i].S\_id << " " << f[i].name << " " << f[i].course << " " << f[i].CrHours << endl;

}

}

}

int main()

{

student s[8];

s[0].getData("1000", "Ali", "M", "2.56");

s[1].getData("1001", "Usman", "M", "3.56");

s[2].getData("1002", "AliHaider", "M", "4.00");

s[3].getData("1003", "Ayesha", "M", "0.59");

s[4].getData("1004", "Amina", "F", "1.89");

s[5].getData("1005", "Zainab", "F", "2.89");

s[6].getData("1006", "Aiman", "F", "3.44");

s[7].getData("1008", "Raza", "M", "1.99");

Faculty f[10];

f[0].getData("2000", "Luqman", "ProgrammingFundamentals", "4");

f[1].getData("2001", "Hamza", "OOP", "4");

f[2].getData("2002", "Luqman", "DataMining", "3");

f[3].getData("2003", "Amjad", "MachineLearning", "3");

f[4].getData("2004", "Luqman", "OperatingSysytem", "4");

f[5].getData("2005", "Akmal", "CommunicationSkills", "3");

f[6].getData("2006", "Babar", "LinearAlgebra", "3");

f[7].getData("2007", "Saima", "Probability", "3");

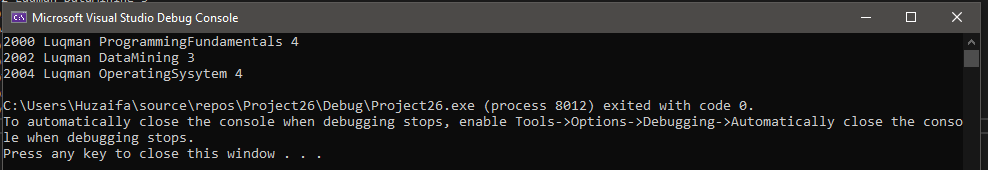
f[8].getData("2008", "Romana", "PakistanStudies", "2");

f[9].getData("2009", "Zuha", "DatabaseSystems", "4");

L\_Faculty();

return 0;

# } OUTPUT:



# TASK 8:

#include<iostream>

#include<fstream>

#include<string>

using namespace std;

class student

{

public:

string C\_id;

string name;

string gender;

string cgpa;

fstream obj;

student() { }

void getData(string C\_id, string name, string gender, string cgpa)

{

obj.open("student.txt", ios::app);

this->name = name;

this->gender = gender;

this->C\_id = C\_id;

this->cgpa = cgpa;

obj << C\_id << " " << name << " " << gender << " " << cgpa << endl;

obj.close();

}

void displayData()

{

cout << "C\_id: " << C\_id << endl;

cout << "Name: " << name << endl;

cout << "Gender: " << gender << endl;

cout << "CGPA: " << gender << endl << endl;

}

};

class Faculty

{

public:

string S\_id;

string name;

string course;

string CrHours;

fstream obj;

Faculty() { }

void getData(string S\_id, string name, string course, string CrHours)

{

obj.open("Faculty.txt", ios::app);

this->name = name;

this->course = course;

this->S\_id = S\_id;

this->CrHours = CrHours;

obj << S\_id << " " << name << " " << course << " " << CrHours << endl;

obj.close();

}

void displayData()

{

cout << "C\_id: " << S\_id << endl;

cout << "Name: " << name << endl;

cout << "Course: " << course << endl;

cout << "CrHours: " << CrHours << endl << endl;

}

};

void five\_Faculty()

{

fstream obj1;

Faculty f[10];

obj1.open("Faculty.txt", ios::in);

for (int i = 0; i < 10; i++)

{

obj1 >> f[i].S\_id >> f[i].name >> f[i].course >> f[i].CrHours;

}

for (int i = 0; i < 10; i++)

{

if (f[i].name.length() > 5)

{

cout << f[i].S\_id << " " << f[i].name << " " << f[i].course << " " << f[i].CrHours << endl;

}

}

}

int main()

{

student s[8];

s[0].getData("1000", "Ali", "M", "2.56");

s[1].getData("1001", "Usman", "M", "3.56");

s[2].getData("1002", "AliHaider", "M", "4.00");

s[3].getData("1003", "Ayesha", "M", "0.59");

s[4].getData("1004", "Amina", "F", "1.89");

s[5].getData("1005", "Zainab", "F", "2.89");

s[6].getData("1006", "Aiman", "F", "3.44");

s[7].getData("1008", "Raza", "M", "1.99");

Faculty f[10];

f[0].getData("2000", "Luqman", "ProgrammingFundamentals", "4");

f[1].getData("2001", "Hamza", "OOP", "4");

f[2].getData("2002", "Luqman", "DataMining", "3");

f[3].getData("2003", "Amjad", "MachineLearning", "3");

f[4].getData("2004", "Luqman", "OperatingSysytem", "4");

f[5].getData("2005", "Akmal", "CommunicationSkills", "3");

f[6].getData("2006", "Babar", "LinearAlgebra", "3");

f[7].getData("2007", "Saima", "Probability", "3");

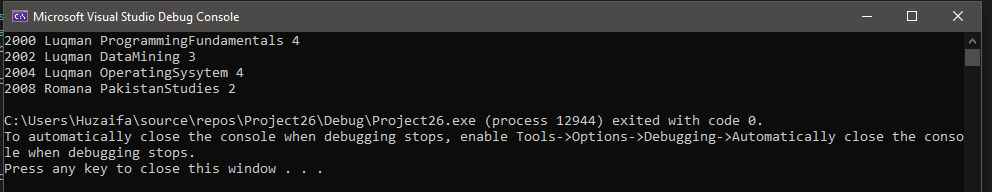
f[8].getData("2008", "Romana", "PakistanStudies", "2");

f[9].getData("2009", "Zuha", "DatabaseSystems", "4");

five\_Faculty();

return 0;

# } OUTPUT:



# TASK 9:

#include<iostream>

#include<fstream>

#include<string>

using namespace std;

class student

{

public:

string C\_id;

string name;

string gender;

string cgpa;

fstream obj;

student() { }

void getData(string C\_id, string name, string gender, string cgpa)

{

obj.open("student.txt", ios::app);

this->name = name;

this->gender = gender;

this->C\_id = C\_id;

this->cgpa = cgpa;

obj << C\_id << " " << name << " " << gender << " " << cgpa << endl;

obj.close();

}

void displayData()

{

cout << "C\_id: " << C\_id << endl;

cout << "Name: " << name << endl;

cout << "Gender: " << gender << endl;

cout << "CGPA: " << gender << endl << endl;

}

};

class Faculty

{

public:

string S\_id;

string name;

string course;

string CrHours;

fstream obj;

Faculty() { }

void getData(string S\_id, string name, string course, string CrHours)

{

obj.open("Faculty.txt", ios::app);

this->name = name;

this->course = course;

this->S\_id = S\_id;

this->CrHours = CrHours;

obj << S\_id << " " << name << " " << course << " " << CrHours << endl;

obj.close();

}

void displayData()

{

cout << "C\_id: " << S\_id << endl;

cout << "Name: " << name << endl;

cout << "Course: " << course << endl;

cout << "CrHours: " << CrHours << endl << endl;

}

};

void CrHours\_Faculty()

{

fstream obj1;

Faculty f[10];

obj1.open("Faculty.txt", ios::in);

for (int i = 0; i < 10; i++)

{

obj1 >> f[i].S\_id >> f[i].name >> f[i].course >> f[i].CrHours;

}

for (int i = 0; i < 10; i++)

{

if (f[i].CrHours == "4")

{

cout << f[i].S\_id << " " << f[i].name << " " << f[i].course << " " << f[i].CrHours << endl;

}

}

}

int main()

{

student s[8];

s[0].getData("1000", "Ali", "M", "2.56");

s[1].getData("1001", "Usman", "M", "3.56");

s[2].getData("1002", "AliHaider", "M", "4.00");

s[3].getData("1003", "Ayesha", "M", "0.59");

s[4].getData("1004", "Amina", "F", "1.89");

s[5].getData("1005", "Zainab", "F", "2.89");

s[6].getData("1006", "Aiman", "F", "3.44");

s[7].getData("1008", "Raza", "M", "1.99");

Faculty f[10];

f[0].getData("2000", "Luqman", "ProgrammingFundamentals", "4");

f[1].getData("2001", "Hamza", "OOP", "4");

f[2].getData("2002", "Luqman", "DataMining", "3");

f[3].getData("2003", "Amjad", "MachineLearning", "3");

f[4].getData("2004", "Luqman", "OperatingSysytem", "4");

f[5].getData("2005", "Akmal", "CommunicationSkills", "3");

f[6].getData("2006", "Babar", "LinearAlgebra", "3");

f[7].getData("2007", "Saima", "Probability", "3");

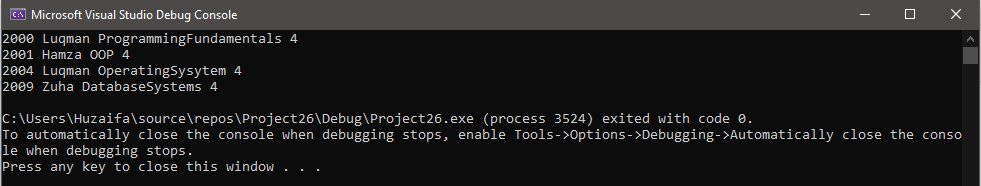
f[8].getData("2008", "Romana", "PakistanStudies", "2");

f[9].getData("2009", "Zuha", "DatabaseSystems", "4");

CrHours\_Faculty();

return 0;

}

OUTPUT:

# TASK 10:

#include<iostream>

#include<fstream>

#include<string>

using namespace std;

class student

{

public:

string C\_id;

string name;

string gender;

string cgpa;

fstream obj;

student() { }

void getData(string C\_id, string name, string gender, string cgpa)

{

obj.open("student.txt", ios::app);

this->name = name;

this->gender = gender;

this->C\_id = C\_id;

this->cgpa = cgpa;

obj << C\_id << " " << name << " " << gender << " " << cgpa << endl;

obj.close();

}

void displayData()

{

cout << "C\_id: " << C\_id << endl;

cout << "Name: " << name << endl;

cout << "Gender: " << gender << endl;

cout << "CGPA: " << gender << endl << endl;

}

};

class Faculty

{

public:

string S\_id;

string name;

string course;

string CrHours;

fstream obj;

Faculty() { }

void getData(string S\_id, string name, string course, string CrHours)

{

obj.open("Faculty.txt", ios::app);

this->name = name;

this->course = course;

this->S\_id = S\_id;

this->CrHours = CrHours;

obj << S\_id << " " << name << " " << course << " " << CrHours << endl;

obj.close();

}

void displayData()

{

cout << "C\_id: " << S\_id << endl;

cout << "Name: " << name << endl;

cout << "Course: " << course << endl;

cout << "CrHours: " << CrHours << endl << endl;

}

};

bool A\_Check(string s1, string s2, int l1, int l2)

{

if (l1 < l2)

{

return false;

}

if (s1[l1-2] != s2[0])

{

return false;

}

return true;

}

void A\_Faculty()

{

fstream obj1;

Faculty f[10];

int l1 = 0, l2 = 0;

obj1.open("Faculty.txt", ios::in);

for (int i = 0; i < 10; i++)

{

obj1 >> f[i].S\_id >> f[i].name >> f[i].course >> f[i].CrHours;

}

for (int i = 0; i < 10; i++)

{

l1 = f[i].name.length();

l2 = 1;

if (A\_Check(f[i].name, "a", l1, l2))

{

cout << f[i].S\_id << " " << f[i].name << " " << f[i].course << " " << f[i].CrHours << endl;

}

}

}

int main()

{

student s[8];

s[0].getData("1000", "Ali", "M", "2.56");

s[1].getData("1001", "Usman", "M", "3.56");

s[2].getData("1002", "AliHaider", "M", "4.00");

s[3].getData("1003", "Ayesha", "M", "0.59");

s[4].getData("1004", "Amina", "F", "1.89");

s[5].getData("1005", "Zainab", "F", "2.89");

s[6].getData("1006", "Aiman", "F", "3.44");

s[7].getData("1008", "Raza", "M", "1.99");

Faculty f[10];

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f[7].getData("2007", "Saima", "Probability", "3");

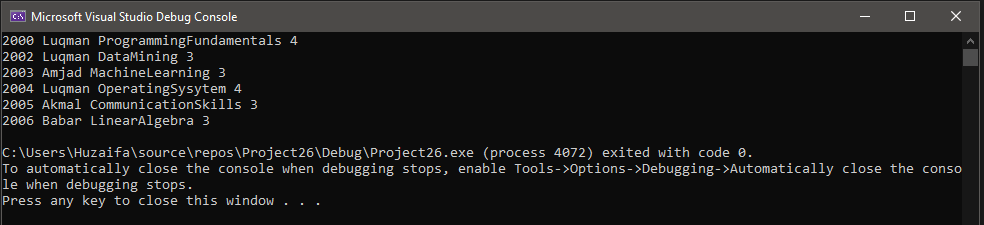
f[8].getData("2008", "Romana", "PakistanStudies", "2");

f[9].getData("2009", "Zuha", "DatabaseSystems", "4");

A\_Faculty();

return 0;

# } OUTPUT:



# 