**Aim:**

To write a program to create an object of class Train to Store train name ,Destination & origin and store it in a file “train.txt” and Perform Various operation on the file according to user choice .

**Source Code:**

#include<fstream.h>

#include<conio.h>

#include<stdio.h>

#include<string.h>

#include<process.h>

class train

{

private:

char name[50];

char from[50];

char to[50];

public:

void getdata()

{

cout<<"Enter The Name of the Train : ";

gets(name);

cout<<"Enter The Starting Point of Train : ";

gets(from);

cout<<"Enter The End Point of Train : ";

gets(to);

}

char\* getname()

{

return(name);

}

char\* getfrom()

{

return(from);

}

char\* getto()

{

return(to);

}

void putdata()

{

cout<<" The Name of the Train :";

cout<<name;

cout<<"\n The Starting Point of Train :";

cout<<from;

cout<<"\n The End Point of Train :";

cout<<to;

}

char\* putfrom()

{

return(from);

}

char\* putto()

{

return(to);

}

};

void main()

{

train s1;

char ch1;

do

{

clrscr();

cout<<"\n 1. To Enter Data ";

cout<<"\n 2. To Display Reacords ";

cout<<"\n 3. Search ";

cout<<"\n 4. Exit ";

cout<<"\n\n Enter Your Choice : ";

int choice;

cin>>choice;

switch(choice)

{

case 1:

{

clrscr();

ofstream fout("train.txt",ios::binary|ios::app);

char ans='y';

if(!fout)

{

cout<<"\n File Not Found";

exit(1);

}

while(ans=='y')

{

s1.getdata();

fout.write((char\*)&s1,sizeof(s1));

cout<<"Enter more record (y/n) :";

cin>>ans;

}

fout.close();

break;

}

case 2:

{

clrscr();

ifstream finc2("train.txt",ios::binary);

if(!finc2)

{

cout<<"\n File Not Found :";

exit(1);

}

while(finc2)

{

finc2.read((char\*)&s1,sizeof(s1));

if(finc2.eof())

{

break;

}

s1.putdata();

}

finc2.close();

break;

}

case 3:

{

char test[30];

char check='n';

clrscr();

cout<<"Enter Name of the Location of Station : ";

gets(test);

ifstream finc4("train.txt",ios::binary);

if(!finc4)

{

cout<<"\n File Not Found :";

exit(1);

}

while(!finc4.eof())

{

finc4.read((char\*)&s1,sizeof(s1));

if(strcmp(test,s1.getto())==0)

{

cout<<"\n Train With Name : ";

cout<<s1.getname();

cout<<" End at : ";

cout<<test;

check='y';

}

if(strcmp(test,s1.getfrom())==0)

{

cout<<"\n Train With Name : ";

cout<<s1.getname();

cout<<" Start At : ";

cout<<test;

check='y';

}

}

if(check=='n')

{

cout<<"\n No Such Location Found : ";

}

finc4.close();

break;

}

case 4:

{

exit(1);

}

}

cout<<"\nReturn to menu (y/n) :";

cin>>ch1;

}while(ch1=='y');

exit(0);

getch();

}

**Output :**





