/\* Wap to create a **binary file** and write objects of class **WORKER** to it and display worker details on screen after reading from the binary file. \*/

#include<fstream.h>

#include<conio.h>

class WORKER { char Wname[20];

int Wno;

int HRWK; // Hours work

float wgrate; // wage rate

float totwage;

float calcwage (int HRWK, float wgrate)

{

totwage=HRWK\*wgrate;

return totwage;

}

public:

WORKER ()

{

Wno=1;

wgrate = 500;

HRWK =5;

}

void INDATA();

void OUTDATA();

};

void WORKER::INDATA ()

{

cout<<"\n\n\nEnter Worker's name : ";

cin.get();

cin.getline(Wname,80);

cout<<"\n\nEnter worker Number : ";

cin>>Wno;

cout<<"\n\nEnter wage rate of worker : ";

cin>>wgrate;

cout<<"\n\nEnter hours work : ";

cin>>HRWK;

}

void WORKER :: OUTDATA()

{

cout<<"\n\nWorker's name => "<<Wname;

cout<<"\n\nWorker number => "<<Wno;

cout<<"\n\n\nWage rate = "<<wgrate;

cout<<"\n\nHours Work = "<<HRWK;

cout<<"\n\nTotal Wage = "<<calcwage (HRWK,wgrate);

}

void main()

{

clrscr();

int n;

l:

cout<<"\n\nEnter the total number of workers : "; cin>>n;

if(n<=0)

{

cout<<"\n\nEnter again. ";

goto l;

}

WORKER w[80],z[80];

fstream o;

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

{

w[i].INDATA();

o.open("www.dat",ios::binary|ios::out);

o.write((char\*)&w[i],sizeof(w[i]));

o.close();

o.open("www.dat",ios::binary|ios::in);

o.read((char\*)&z[i],sizeof(z[i]));

o.close();

}

cout<<"\n\n\n\n--------------------------------------------------- # Worker Details # --------------------------------------------------------";

for(i=0; i<n; i++)

{

w[i].OUTDATA();

cout<<"\n\n";

}

getch();

}

**Output:**

Enter the total number of workers : 2

Enter Worker's name : Shivam

Enter worker Number : 1

Enter wage rate of worker : 120

Enter hours work : 5

Enter Worker's name : Gopal

Enter worker Number : 2

Enter wage rate of worker : 150

Enter hours work : 8

--------------------------------------------------------------- # Worker Details # ------------------------------------------------------------------

Worker's name => Shivam

Worker number => 1

Wage rate = 120

Hours Work = 5

Total Wage = 600

Worker's name => Gopal

Worker number => 2

Wage rate = 150

Hours Work = 8

Total Wage = 1200