#include<iostream.h>

#include<conio.h>

class staff

{

protected:

int code;

char name[20];

public:

void getstaff(void)

{

cout<<"\n\nEnter code:-";

cin>>code;

cout<<"Enter name:-";

cin>>name;

}

void dispstaff(void)

{

cout<<"\nName:-"<<name;

cout<<"\nCode:-"<<code;

}

};

class teacher:public staff

{

char sub[20];

char pub[20];

public:

void create(void)

{

getstaff();

cout<<"Enter subject:-" ;

cin>>sub;

cout<<"Enter publication:-";

cin>>pub;

}

void display(void)

{

dispstaff();

cout<<"\nSubject:-"<<sub;

cout<<"\nPublication:-"<<pub;

}

};

class officer: public staff

{

char grade;

public:

void create(void)

{

getstaff();

cout<<"Enter grade:-";

cin>>grade;

}

void display(void)

{

dispstaff();

cout<<"\nGrade:-"<<grade;

}

};

class typist:public staff

{

float speed;

public:

void gettypist(void)

{

getstaff();

cout<<"Enter speed(wpm):-";

cin>>speed;

}

void disptypist(void)

{

dispstaff();

cout<<"\nSpeed:-"<<speed;

}

};

class casual:public typist

{

float dailywages;

public:

void create(void)

{

gettypist();

cout<<"Enter daily wages:-";

cin>>dailywages;

}

void display(void)

{

disptypist();

cout<<"\nDaily wages:-"<<dailywages;

}

};

void main()

{

clrscr();

teacher o1t[10];

casual o1c[10];

officer o1o[10];

int choice,i;

char test;

while(1)

{

int count;

start:

clrscr();

cout<<"\n======EDUCATION INSTITUTION DATABASE====\n\n\n";

cout<<"Choose category of information\n";

cout<<"1) Teachers\n";

cout<<"2) Officer\n";

cout<<"3) Typist\n";

cout<<"4) Exit\n";

cout<<"Enter your choice:-";

cin>>choice;

switch(choice)

{

case 1:while(1)

{

clrscr();

cout<<"\n=====TEACHERS INFORMATION=====\n\n";

cout<<"\nChoose your choice\n";

cout<<"1)Create\n";

cout<<"2)Display\n";

cout<<"3)Jump to main menu\n";

cout<<"Enter your choice:-";

cin>>choice;

switch(choice)

{

case 1: for(count=0,i=0;i<10;i++)

{

cout<<endl;

o1t[i].create();

count++;

cout<<endl;

cout<<"\n\nAre you interested in entering data\n";

cout<<"Enter y or n:-";

cin>>test;

if(test=='y'||test=='Y')

continue;

else goto out1;

}

out1:

break;

case 2:for(i=0;i<count;i++)

{

cout<<endl;

o1t[i].display();

cout<<endl;

}

getch();

break;

case 3:goto start;

default: cout<<"\n Enter choice is invalid\ntry again\n\n";

}

}

case 2: while(1)

{

clrscr();

cout<<"\n======OFFICERS INFORMATION======\n\n";

cout<<"\nChoose your choice\n";

cout<<"1)Create\n";

cout<<"2)Display\n";

cout<<"3)Jump to main menu\n";

cout<<"Enter your choice:-";

cin>>choice;

switch(choice)

{

case 1:for(count=0,i=0;i<10;i++)

{

cout<<endl;

o1o[i].create();

count++;

cout<<endl;

cout<<"\n\nAre you interested in enterning data\n";

cout<<"Enter y or n:-";

cin>>test;

if(test=='y'||test=='Y')

continue;

else goto out2;

}

out2:

break;

case 2:for(i=0;i<count;i++)

{cout<<endl;

o1o[i].display();

cout<<endl;

}

getch();

break;

case 3: goto start;

default: cout<<"\nInvalid choice\ntry again\n\n";

}

}

case 3: while(1)

{

clrscr();

cout<<"\n=====TYPIST INFORMATION =====\n\n";

cout<<"Choose your choice\n";

cout<<"1)Create\n";

cout<<"2)Display\n";

cout<<"3)Jump to main menu\n";

cout<<"Enter your choice:-";

cin>>choice;

switch(choice)

{

case 1:for(count=0,i=0;i<10;i++)

{

cout<<endl;

o1c[i].create();

count++;

cout<<endl;

cout<<"\n\nAre intersted in entering data\n";

cout<<"Enter y or n:-";

cin>>test;

if(test=='y'||test=='Y')

continue;

else goto out3;

}

out3:

break;

case 2: for(i=0;i<count;i++)

{

cout<<endl;

o1c[i].display();

cout<<endl;

}

getch();

break;

case 3:goto start;

default: cout<<"\nInvalid choice\ntry again\n\n";

}

}

case 4:goto end;

}

}

end:

}

