**IT21346286\_AMARATUNGA R.Y.S.\_OOC\_ASSIGNMENT02.**

/\*IT21346286\_AMARATUNGA R.Y.S.\_OOCassignment02\_Library Management System.\*/

/\*IT21346286\_AMARATUNGA R.Y.S.\_Code for class User.\*/

#include <iostream>

#include <cstring>

using namespace std;

class User

{

protected:

char name[20];

char id[10];

public:

void assignId(char \*usId);

void displayId();

void assignName(char \*usName);

void displayUser();

};

void User::assignName(char \*usName){

strcpy(name, usName);

}

void User::displayUser(){

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

}

void User::assignId(char \*usId){

strcpy(id, usId);

}

void User::displayId(){

cout<<"User id : "<<id<<endl;

}

class Member : public User

{

protected:

int age;

char address[50];

char email[20];

int contactNo;

public:

void assignAge(int a);

void displayAge();

void assignAddress(char \*mAddress);

void displayAddress();

void assignEmail(char \*mEmail);

void displayEmail();

void assignContactNo(int no);

void displayContactNo();

};

void Member::assignAge(int a){

age = a;

}

void Member::displayAge(){

cout<<"Age : "<<age<<endl;

}

void Member::assignAddress(char \*mAddress){

strcpy(address, mAddress);

}

void Member::displayAddress(){

cout<<"Address : "<<address<<endl;

}

void Member::assignEmail(char \*mEmail){

strcpy(email, mEmail);

}

void Member::displayEmail(){

cout<<"Email address : "<<email<<endl;

}

void Member::assignContactNo(int no){

contactNo = no;

}

void Member::displayContactNo(){

cout<<"Contact no : "<<contactNo<<endl;

}

class Staff : public User

{

protected:

char job[20];

public:

void assignJob(char \*sJob);

void displayJob();

};

void Staff::assignJob(char \*sJob){

strcpy(job, sJob);

}

void Staff::displayJob(){

cout<<"Library position : "<<job<<endl;

}

int main(){

Member m1, m2;

m1.assignName("Kamal Gunaratne");

m1.assignId("LMS1000234");

m1.assignAddress("No:72, Galle Road, Colombo");

m1.assignAge(12);

m1.assignEmail("kamal65@gmail.com");

m1.assignContactNo(0701234567);

m1.displayUser();

m1.displayId();

m1.displayAddress();

m1.displayAge();

m1.displayEmail();

m1.displayContactNo();

Staff s1;

s1.assignJob("Librarian");

s1.displayJob();

return 0;

}

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