// Example program

#include <iostream>

#include <string>

using namespace std;

class Students

{

private:

string name;

int id;

public:

Students (string userName, int userID)

{

name = userName;

id = userID;

}

void setName(string userName)

{ name = userName; }

void setID(int userID)

{ id = userID; }

string getName()

{ return name; }

int getID()

{ return id; }

};

Students\* createStudent()

{

Students \*studentPtr = new Students("Ethan", 123);

return studentPtr;

}

void displayStudent(Students \*studentPtr)

{

cout << "Student's name: " << studentPtr->getName() << endl;

cout << "Student's id: " <<studentPtr->getID()<< endl;

}

void deleteStudent(Students \*studentPtr)

{

delete studentPtr;

}

int main()

{

Students \*user = createStudent();

//Test displaying user

displayStudent(user);

deleteStudent(user);

//See if user is deleted

displayStudent(user);

}