**Write a class that can store Department ID and Department Name with constructors to initialize its members. Write destructor member in the same class and display the message "Object n goes out of the scope". Your program should be made such that it should show the order of constructor and destructor invocation.**

**#include <iostream>**

**#include <cstring>**

**#define SUCCESS 0**

**using namespace std;**

**class Department**

**{**

**private:**

**int id;**

**char name[20];**

**public:**

**Department(int i, const char \*n):id(i)**

**{**

**strncpy(name,n,20);**

**cout << "Object "<< name << " has been contructed"<< endl;**

**}**

**~Department()**

**{**

**cout << "Object "<< name << " goes out of scope" << endl;**

**}**

**};**

**int main()**

**{**

**Department d(1,"Walmart");**

**return SUCCESS;**

**}**

**#include<iostream>//or**

**using namespace std;**

**class depart**

**{**

**string depart\_id,depart\_name;**

**static int c;**

**int n;**

**public:**

**depart(string id,string name)**

**{**

**depart\_id=id;**

**depart\_name=name;**

**n=++c;**

**cout<<"Object"<<n<<" created"<<endl;**

**}**

**~depart()**

**{**

**cout<<"Object"<<n<<" goes out of scope"<<endl;**

**}**

**};**

**int depart::c=0;**

**int main()**

**{**

**depart d1("A35","Computer"),d2("A36","Mechanical"),d3("A37","Architecture");**

**}**