Define an abstract class Staff with protected members id and name. Define a parameterized constructor. Define one subclass OfficeStaff with member department. Create n objects of OfficeStaff and display all details.

import java.io.\*;

import java.util.\*;

abstract class staff

{

int id;

String name;

public staff(int x,String y)

{

id=x;

name=y;

}

abstract void display();

}

class officestaff extends staff

{

String dep;

public officestaff(int a,String b,String c)

{

super(a,b);

dep=c;

}

void display()

{

System.out.println(id+"\t "+name+"\t\t"+dep);

}

}

class test

{

public static void main(String args[]) throws Exception

{

int i;

Scanner s=new Scanner(System.in);

System.out.println("Enter how many objects:");

int n=s.nextInt();

officestaff[] f=new officestaff[n];

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

{

System.out.println("Enter id:");

int a=s.nextInt();

System.out.println("Enter name:");

String b=s.next();

System.out.println("Enter department:");

String c=s.next();

f[i]=new officestaff(a,b,c);

}

System.out.println("id \t Name \t Depart");

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

f[i].display();

}

}