#include<iostream>

#include<string.h>

using namespace std;

int i,key[10],n,c[10];

class hash\_table

{

public:

int prn,rno;

string name,add;

float per;

void declare();

void table();

void accept();

}h[10];

void hash\_table::declare()

{

cout<<"\n Enter the number of student records you want to store = ";

cin>>n;

cout<<"\n enter the keys : ";

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

{

cin>>key[i];

}

for(i=0;i<10;i++)

{

h[i].prn=-1;

c[i]=0;

}

}

void hash\_table::table()

{

cout<<"\n PRN\tRollnO\tName\tAdd\tPer\tChain";

for(i=0;i<10;i++)

{

cout<<"\n"<<h[i].prn<<"\t"<<h[i].rno<<"\t"<<h[i].name<<"\t"<<h[i].add<<"\t"<<h[i].per<<"\t"<<c[i];

}

}

void hash\_table::accept()

{

int no,pos;

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

{

no=key[i]%10;

do

{

if(h[no].prn==-1)

{

h[no].prn=key[i];

cout<<"\n Enter the Rollno, Name, Add, Per";

cin>>h[no].rno>>h[no].name>>h[no].add>>h[no].per;

break;

}

else

{

no++;

if(no>10)

{

no=0;

}

}

}while(no<10);

}

}

int main()

{

hash\_table obj;

obj.declare();

obj.table();

obj.accept();

obj.table();

return 0;

}