#include<stdio.h>

#include<string.h>

#include<stdlib.h>

typedef struct passenger //passenger details

{

char name[20];

int age;

char stop[2];

}pass;

pass p[10];

int addpass(int x, int y) //adding passengers

{

int i=x;

for(i;i<y;i++)

{

printf("\n\_PASSENGER NUMBER:%d\_\n",i+1);

printf("\n enter name\n");

scanf("%s",p[i].name);

printf("\n enter age\n");

scanf("%d",&p[i].age);

printf("\n enter stop \n ");

scanf("%s",p[i].stop);

printf("\n");

}

return i;

}

int startpod(int x) //startpod function

{

if(x==0)

{

printf("\nQueue is empty\n");

}

else

{

int loop,j,i,max;

printf("\n Maximum startpod no.s %d \n",x);

scanf("%d",&loop);

for(j=1;j<=loop;j++)

{

i=0;

max = p[i].age;

for(i;i<x;i++)

{

if(p[i].age>max)

{

max = p[i].age; //finding maximum age

}

}

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

{

if(max == p[i].age)

{

printf("%s",p[i].name);

printf("\n");

break;

}

}

for(i;i<x;i++)

{

p[i] = p[i+1];

}

--x;

}

}

return x;

}

int printq(int x) //printing passengers queue

{

printf("\n----------------------------\n");

printf("\n\_PASSENGERS IN QUEUE : %d\_\n",x);

if(x==0){

printf("\nQueue is empty\n");}

else

{

int i;

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

{

printf("%s ",p[i].name);

printf("%d ",p[i].age);

printf("%s",p[i].stop);

printf("\n");

}

}

printf("\n--------------------------\n");

}

int main()

{

int i,ch,x=0,y;

while(1)

{

printf("\tEnter choice\n 1.ADD\_PASSENGER\n 2.START\_POD\n 3.PRINT\_Q\n 4.EXIT\n");

scanf("%d",&ch);

switch(ch)

{

case 1:

printf("\nEnter no.of. passengers\n");

scanf("%d",&y);

x = addpass(x,x+y);

break;

case 2:

x = startpod(x);

break;

case 3:

printq(x);

break;

case 4:

exit(0);

default:

printf("Invalid");

}

}

}