

```
//IT21266782_Rathnayake D.T
```

```
#include<iostream>
```

```
#include<string>
```

```
using namespace std;
```

```
//class declaration
```

```
class guest
```

```
{
```

```
    private:
```

```
        int guestId;
```

```
        char guestName;
```

```
    public:
```

```
        guest();
```

```
        guest(int gid, string gname);
```

```
        void choosehotel();
```

```
        void selectlocation();
```

```
        void viewpackages();
```

```
        void checkAvailablerooms();
```

```
}
```

```
class room
```

```
{
```

```
    private:
```

```
        int roomNo;
```

```
        string roomType;
```

```
        float roomPrice;
```

```
    public:
```

```

        room();
        room(int rNo, string rType, float rPrice);
    }
class hotel
{
    private:
        int hotelId;
        string hotelName;
        string hotelLocation;
        room *rooms[SIZE];
    public:
        hotel();
        hotel(int hId, string hName, string hLocation);
        void chooseroom();
        void addrooms(room *r1, room *r2);
}

```

//function implementation

```

guest::guest(){ }
guest::guest(int gid, string gname)
{
    guestid = gid;
    guestName = gname;
}
void guest::choosehotel(){ }
void guest::selectlocation(){ }

```

```

void guest::viewpackages(){ }
void guest::checkAvailablerooms(){ }

room::room(){ }
room::room(int rno, sting rtype, string rPrice)
{
    roomNo = rno;
    roomType = rtype;
    roomPrice = rPrice;
}
room::(){}
room::(int rNo, string rType, float rPrice){ }

hotel::hotel(){ }
hotel::hotel(int hId, string hName, string hLocation)
{
    hotelId = hId;
    hotelName = hName;
    hotelLocation = hLocation;
}
void hotel::chooseroom(){ }
void hotel::addrooms(room *r1, room *r2){ }
//main programme
int main()
{

```

```
    guest g1(1, "Sanduni");  
    room r1(1, "Single room", "45000");  
    hotel h1(1, "ABC Hotel", "Colombo");  
    return 0;  
}
```