

```
//Rental car booking system
```

```
#include <stdio.h>
```

```
int main()
```

```
{
```

```
    // Get the details of the car
```

```
    int car_no,no_days,rent;
```

```
    float t_rent;
```

```
    char cus_name,owner_name,make,model;
```

```
    //get the details from user
```

```
    printf("Enter the owner name and customer name");
```

```
    scanf("%c %c",&owner_name,&cus_name);
```

```
    printf("Enter the car number to book");
```

```
    scanf("%d",&car_no);
```

```
    printf("Enter the number of days for rent");
```

```
    scanf("%d",&no_days);
```

```
    printf("Enter the car make");
```

```
    scanf(" %c",&make);
```

```
    //Print the details for verification
```

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

```
    printf("Customer Name:%c\t Owner name:%c\nCar rented:%c\ncar No:%d\tBooked for %d  
days\n",cus_name,owner_name,make,car_no,no_days);
```

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

```
    do{
```

```
        //calculate rent based on the model: h-hyundai H-Honda b-BMW B-Benz E-Exit
```

```
        printf("Enter the model to caculate rent \n h-hyundai H-Honda b-BMW B-Benz E-Exit\n");
```

```
        scanf(" %c",&model);
```

```
        switch(model)
```

```
        {
```

```
            case 'h':
```

```
                printf("Enter the rate for a day");
```

```
                scanf("%d",&rent);
```

```
                t_rent=no_days*rent;
```

```
                printf("Your rent for h-hyundai car is Rs.%f\n",t_rent);
```

```
                break;
```

```
            case 'H':
```

```
                printf("Enter the rate for a day");
```

```
                scanf("%d",&rent);
```

```
                t_rent=no_days*rent;
```

```
                printf("Your rent for H-Honda car is Rs.%f\n",t_rent);
```

```
                break;
```

```
            case 'b':
```

```

printf("Enter the rate for a day");
scanf("%d",&rent);
t_rent=no_days*rent;
printf("Your rent for b-BMW is Rs.%f\n",t_rent);
break;

case 'B':
printf("Enter the rate for a day");
scanf("%d",&rent);
t_rent=no_days*rent;
printf("Your rent for B-Benz is Rs.%f\n",t_rent);
break;

case 'E':
break;

default:
printf("Enter proper choice");
}
}while(model!='E');
//Assign tax based on the rent
if(t_rent<1000)
printf("Total amount to be paid is Rs.%f",t_rent+t_rent*0.1);
else if(t_rent>1000&&t_rent<5000)
printf("Total amount to be paid is Rs.%f",t_rent+t_rent*0.2);
else if(t_rent>5000&&t_rent<10000)
printf("Total amount to be paid is Rs.%f",t_rent+t_rent*0.3);
else
printf("Total amount to be paid is Rs.%f",t_rent+t_rent*0.5);
return 0;
}

```