**Program 7a:**

1. db.createCollection(‘listing\_url’)
2. db.listing\_url.insertMany([

{\_id:1,name:'prestige',listing\_url:'http\\apartment\\details',address:'bangalore',host\_picture\_url:'http\\apartment\\images'},

{\_id:2,name:'prestige',listing\_url:'http\\apartment\\details',address:'mysore',host\_picture\_url:'http\\apartment\\images'},

{\_id:3,name:'resort',listing\_url:'http\\resorts\\details',address:'mysore',host\_picture\_url:'http\\resort\\images'},

{\_id:4,name:'resort',listing\_url:'http\\resort\\details',address:'bangalore',host\_picture\_url:'http\\resort\\images'}]

**Listing of data(projection)**

1. db.listing\_url.find({},{name:1,listing\_url:1,address:1,host\_picture\_url:1,\_id:0})

**program 7b:**

1. db.createCollection(‘Ecommerce’)
2. db.Ecommerce.insertMany([

{\_id:1,productname:'mobile',productid:'s1pro',ratings:5,reviews:'good'},

{\_id:2,productname:'mobile',productid:'s1pro',ratings:4,reviews:'better'},

{\_id:3,productname:'laptop',productid:'l1pro',ratings:5,reviews:'good'}

{\_id:4,productname:'laptop',productid:'l1pro',ratings:4,reviews:'better'},

{\_id:5,productname:'laptop',productid:'l2pro',ratings:8,reviews:'best'}])

**Printing review summary($group,$avg,$push,)**

1. db.Ecommerce.aggregate({$group:{\_id:'$productid',avgrating:{$avg:'$ratings'},reviews\_list:{$push:'$reviews'}}})