

Data Generation

//Create Student Node for Grade 2

```
create (a:Student {name:"Amit", sex:"M", age:7})
return a;
create (a:Student {name:"Manoj", sex:"M", age:7})
return a;
create (a:Student {name:"Reena", sex:"F", age:7})
return a;
```

//Create Student Node for Grade 3

```
create (a:Student {name:"Ashok", sex:"M", age:8})
return a;
create (a:Student {name:"Anjali", sex:"F", age:8})
return a;
create (a:Student {name:"Anu", sex:"F", age:8})
return a;
```

//Create Grade Nodes

```
create (a:Grade {name:2, location:"First Floor"})
return a;
create (a:Grade {name:3, location:"Second Floor"})
return a;
```

//Establish relationship between students and grade 2

```
match (a:Student {name:"Amit"}), (b:Grade {name:2})
create (a) - [r:StudiesIn] -> (b)
return a, r, b;
```

```
match (a:Student {name:"Manoj"}), (b:Grade {name:2})
create (a) - [r:StudiesIn] -> (b)
return a, r, b;
```

```
match (a:Student {name:"Reena"}), (b:Grade {name:2})
create (a) - [r:StudiesIn] -> (b)
return a, r, b;
```

//Establish relationship between students and grade 3

```
match (a:Student {name:"Ashok"}), (b:Grade {name:3})
create (a) - [r:StudiesIn] -> (b)
return a, r, b;
```

```
match (a:Student {name:"Anjali"}), (b:Grade {name:3})
create (a) - [r:StudiesIn] -> (b)
return a, r, b;
```

```
match (a:Student {name:"Anu"}), (b:Grade {name:3})
create (a) - [r:StudiesIn] -> (b)
return a, r, b;
```