PE 08 Neo4j

Output :

1)

CREATE (p:Student{uid: 345678901, firstName:'Sally', lastName:'Struthers', year:3, mySection:'ISTE23401'})

CREATE (p:Student{uid: 234567890, firstName:'Ivan', lastName:'Smith', year:4, mySection:['ISTE12301','ISTE23401']})

CREATE (p:Student{uid: 123456789, firstName:'Ivona', lastName:'Bok', year:3, mySection:'ISTE12301'})

MATCH (n:Student)

MATCH (m:Sections)

WHERE n.mySection = m.sectionID

CREATE (n)-[:STUDENT\_SECTION]->(m)

CREATE (p:Sections{sectionID:'ISTE23401', title:'My Other Database Course', creditHours:4, room:'GOL-2620'})

CREATE (p:Sections{sectionID:'ISTE12301', title:'My Database Course', creditHours:3, room:'GOL-2650'})

MATCH (n:Student{firstName:'Ivan'})

MATCH (m:Sections)

WHERE n.mySection[1] = m.sectionID

CREATE (n)-[:STUDENT\_SECTION]->(m)

MATCH (n:Student{firstName:'Ivan'})

MATCH (m:Sections)

WHERE n.mySection[0] = m.sectionID

CREATE (n)-[:STUDENT\_SECTION]->(m)

A close up of a logo

Description automatically generated

2)

MATCH (n) RETURN n

A screenshot of a social media post

Description automatically generated

3)

MATCH p=()-[:STUDENT\_SECTION]->()

RETURN p

A screenshot of a social media post

Description automatically generated

4)

MATCH (p:Student)-[:STUDENT\_SECTION]->(n:Sections)

RETURN p.firstName AS Student, AVG(n.creditHours) AS Average\_Credit\_Hours

A screenshot of a cell phone

Description automatically generated