

1. Create three nodes in Cypher to represent three friends – Jack, Jerry and John.

Solution:

```
CREATE
  (jack:User:Male {Name: "Jack"}),
  (jerry:User:Male {Name: "Jerry"}),
  (john:User:Male {Name: "John"})

RETURN
  jack, jerry, john;
```

2. Create relationships showing that:

- Jack follows Jerry on Twitter.
- Jack follows John on Twitter.
- John follows Jerry on Twitter.

Solution:

```
MATCH
  (n:User {Name: "Jack"}), (m:User {Name: "Jerry"})
CREATE
  (n)-[r:FOLLOWS_TWITTER]->(m)
RETURN r;
// OR create two/three at a time:
MATCH
  (n:User {Name: "Jack"}),
  (m:User {Name: "Jerry"}),
  (p:User {Name: "John"})
CREATE
  (n)-[r:FOLLOWS_TWITTER]->(p),
  (p)-[s:FOLLOWS_TWITTER]->(m)
RETURN
  r, s;
```

3. Add some information about Jack, Jerry and John:

- Jack joined Twitter in May 2010.
- Jerry joined Twitter in June 2012.

- John joined Twitter in January 2016.

Solution:

```
MATCH (a:User {Name: "Jack"})
SET a.joinTwitter = "May 2010"
RETURN a;

MATCH
  (a:User {Name: "Jerry"})
  , (b:User {Name: "John"})
SET
  a.joinTwitter = "June 2012"
  , b.joinTwitter = "January 2016"
RETURN
  a, b;
```

4. Add some information about the following relationships:

- Jack started following Jerry in July 2012.
- Jack started following John in February 2016.
- John started following Jerry on January 2016.

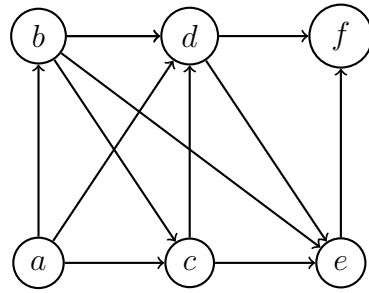
Solution:

```
MATCH
  (a:User {Name: "Jack"})-[r:FOLLOWS_TWITTER]->(b:User {Name: "Jerry"})
SET
  r.started = "June 2012";

MATCH
  (a:User {Name: "Jack"})-[r:FOLLOWS_TWITTER]->(b:User {Name: "John"})
SET
  r.started = "February 2016";

MATCH
  (a:User {Name: "John"})-[r:FOLLOWS_TWITTER]->(b:User {Name: "Jerry"})
SET
  r.started = "January 2016";
```

5. Create the following graph in Cypher:



Solution: