

SQL CODE BLOCK:

```
SQL> CREATE TABLE attacks (  
2     attack_id INT PRIMARY KEY,  
3     attack_type VARCHAR(50),  
4     attack_level INT  
5 );
```

Table created.

```
SQL> CREATE TABLE hosts (  
2     host_id INT PRIMARY KEY,  
3     src_host VARCHAR(50),  
4     dst_host VARCHAR(50)  
5 );
```

Table created.

```
SQL> CREATE TABLE network (  
2     network_id INT PRIMARY KEY,  
3     duration INT,  
4     protocol_type VARCHAR(64),  
5     attack_id INT,  
6     host_id_src INT,  
7     host_id_dst INT,  
8     FOREIGN KEY (attack_id) REFERENCES attacks(attack_id),  
9     FOREIGN KEY (host_id_src) REFERENCES hosts(host_id),  
10    FOREIGN KEY (host_id_dst) REFERENCES hosts(host_id)  
11 );
```

Table created.

SQL RESULTS:

```
MariaDB [(none)]> use Project;
```

```
Database changed
```

```
MariaDB [Project]> desc hosts;
```

Field	Type	Null	Key	Default	Extra
host_id	int(11)	NO	PRI	NULL	
src_host	varchar(50)	YES		NULL	
dst_host	varchar(50)	YES		NULL	

```
3 rows in set (0.019 sec)
```

```
MariaDB [Project]> desc attacks;
```

Field	Type	Null	Key	Default	Extra
attack_id	int(11)	NO	PRI	NULL	
attack_type	varchar(50)	YES		NULL	
attack_level	int(11)	YES		NULL	

```
3 rows in set (0.020 sec)
```

```
MariaDB [Project]> desc networks;
```

```
ERROR 1146 (42S02): Table 'project.networks' doesn't exist
```

```
MariaDB [Project]> desc network;
```

Field	Type	Null	Key	Default	Extra
network_id	int(11)	NO	PRI	NULL	
duration	int(11)	YES		NULL	
protocol_type	varchar(64)	YES		NULL	
attack_id	int(11)	YES	MUL	NULL	
host_id_src	int(11)	YES	MUL	NULL	
host_id_dst	int(11)	YES	MUL	NULL	

```
6 rows in set (0.023 sec)
```

```
MariaDB [Project]> select * from attacks;
```

attack_id	attack_type	attack_level
1	DDos	10
2	SQL Injection	8
3	Cross-site Scripting	7

```
3 rows in set (0.042 sec)
```

```
MariaDB [Project]> select * from hosts;
```

host_id	src_host	dst_host
0	10.45.2546.1	10.478.054.1
1	192.168.1.1	10.0.0.1
2	10.0.0.2	192.168.1.2
3	172.16.0.1	10.0.0.3
5	192.168.1.3	10.0.0.5
22	10.0.0.1	192.168.1.16
35	172.16.0.0	10.0.0.8

```
7 rows in set (0.001 sec)
```

```
MariaDB [Project]> select * from network;
```

network_id	duration	protocol_type	attack_id	host_id_src	host_id_dst
1	300	TCP	1	2	3
2	150	UDP	2	5	22
3	500	TCP	3	35	NULL

```
3 rows in set (0.001 sec)
```