

# **Hacker Database**

Alexander M. Hendren

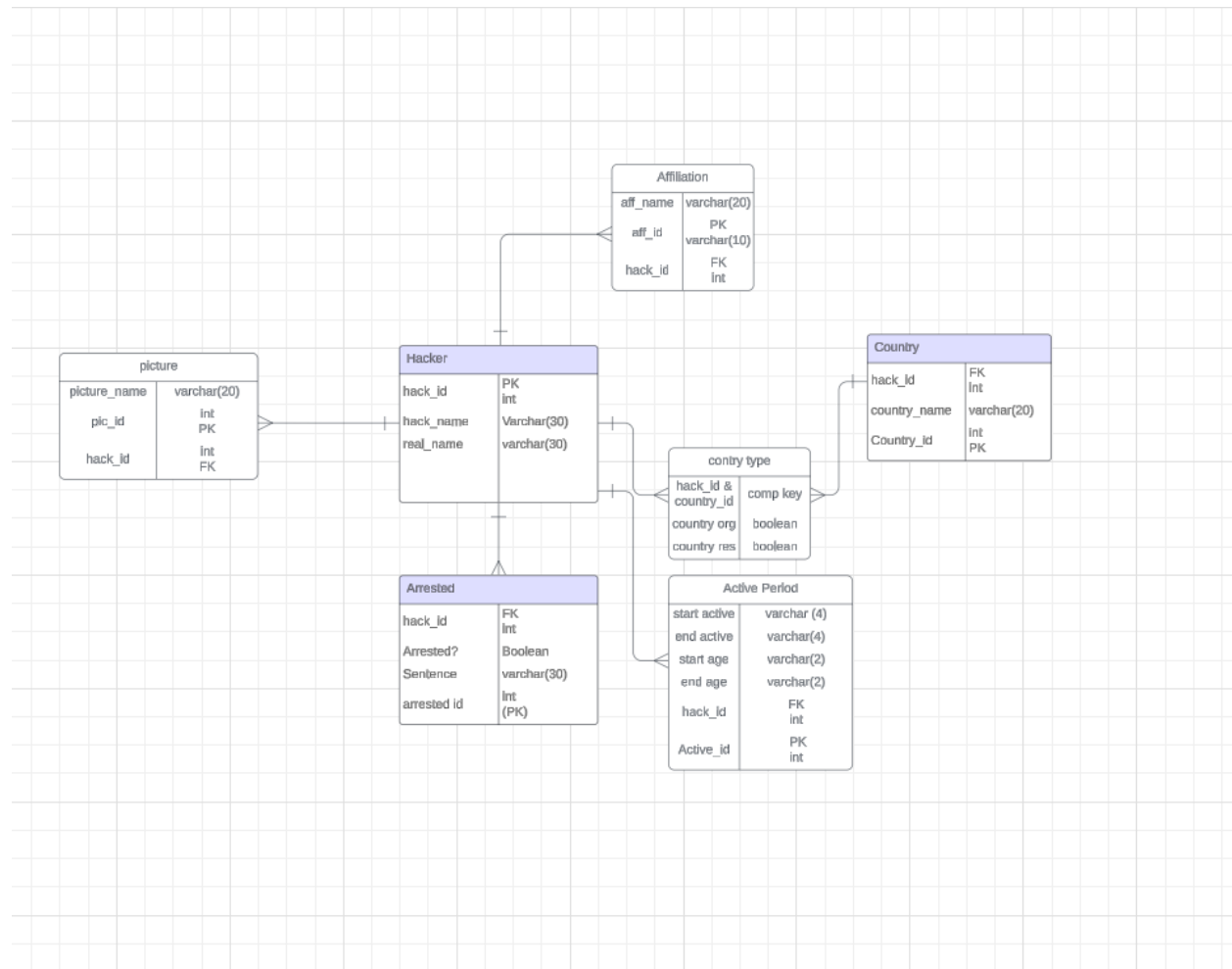
Nova Scotia Community College, Cyber Security

ISEC1020

Assignment 2

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# ERD Diagram



I made a few changes from my ERD as I was going through the MySQL process. These changes include a new bridging table for affiliation, changes to the active period table, and a new activity table using a mediumtext type.

## Create table statements

### **Affiliation table:**

```
CREATE TABLE affiliation (  
  Aff_name varchar (20),  
  Aff_id int primary key  
);
```

### **Affiliation\_joining table:**

```
CREATE TABLE affiliation_joining (  
  Aff_id int,  
  Hack_id int,  
  Foreign key (hack_id) references hacker(hack_id)  
);
```

### **Active period table:**

```
CREATE TABLE active_period (  
  startActive int,  
  endActive int,  
  age int,  
  hack_id int,  
  FOREIGN KEY (hack_id) REFERENCES hacker (hack_id)  
);
```

**Arrested Table:**

```
CREATE TABLE arrested (  
  arrested BOOLEAN,  
  sentence varchar (20),  
  hack_id int,  
  FOREIGN KEY (hack_id) REFERENCES hacker (hack_id)  
);
```

**Country Table:**

```
CREATE TABLE country (  
  country_id int,  
  country_name varchar (20),  
  PRIMARY KEY (country_id)  
);
```

**Countrytype Table:**

```
CREATE TABLE countrytype (  
  hack_id int,  
  country_id int,  
  country_org BOOLEAN,  
  country_res BOOLEAN,  
  PRIMARY KEY (hack_id, country_id),  
  FOREIGN KEY (hack_id) REFERENCES hacker (hack_id),  
  FOREIGN KEY (country_id) REFERENCES country (country_id)  
);
```

**Explanation Table:**

```
CREATE TABLE explanation (  
  hack_id int,  
  explanation mediumtext,  
  FOREIGN KEY (hack_id) REFERENCES hacker (hack_id)  
);
```

**Hacker Table:**

```
CREATE TABLE hacker (  
  hack_id int,  
  hack_name varchar (30),  
  real_name varchar (30),  
  PRIMARY KEY (hack_id)  
);
```

**Picture Table:**

```
CREATE TABLE picture (  
  pic_id int,  
  hack_id int,  
  pic mediumblob,  
  PRIMARY KEY (pic_id),  
  FOREIGN KEY (hack_id) REFERENCES hacker (hack_id)  
);
```