### **I&T I.T 1**

```
FOLDERS
                                                                   require('pry-byebug')
require_relative("../db/sql_runner.rb")
▼ 🖮 Moonstomp
  ▶ controllers
  ▶ 🛅 db
  /* album.rb
                                                                     def initialize(params)
  @id = params['id'].to_i if params['id']
  @album_name = params['album_name']
  @genre = params['genre']
  @current_stock = params['current_stock']
  @ideal_stock = params['ideal_stock']
  @artist_id = params['artist_id'].to_i
  and
         /* artist.rb
  ▶ public
   ▶ spec
   ▶ iii views
      /* app.rb
      /* controller.rb
                                                                     def save
    sql = "INSERT INTO albums (
    album_name, genre, current_stock, ideal_stock, artist_id)
    VALUES
    $2 $3 $4.$5)
                                                                          ($1, $2, $3, $4, $5)
RETURNING id"
                                                                          values = [@album_name, @genre, @current_stock, @ideal_stock, @artist_id]
results = SqlRunner.run(sql, values)
@id = results.first()['id'].to_i
                                                                      def artist
     sql = "SELECT * FROM artists
                                                                               WHERE id = $1"
                                                                              values = [@artist_id]
results = SqlRunner.run(sql, values)
return Artist.nem( results.first )
                                                                      def self.find(id)
  sql = "SELECT * FROM albums
WHERE id = $1;"
  values = [id]
  results = SqlRunner.run(sql, values)
  return Album.new( results.first )
                                                                      def self.all()
   sql = "SELECT * FROM albums"
                                                                          values = []
```

### **I&T I.T 2**

```
| Declarement of the process of the
```

```
public class MusicFormatTest {
    MusicFormat musicFormat;
    MusicType type;
    MusicFormat cansette;
    MusicFormat compactDisc;
    MusicFormat compactDisc;
    MusicFormat compactDisc;
    MusicFormat compactDisc;
    MusicFormat compactDisc;
    MusicFormat compactDisc;
    MusicFormat(202, "Sonic Youth", "Sonic Death", MusicType.CASSETTE, 10, 20);
    compactDisc = new MusicFormat(203, "Violent Femmes", "American People", MusicType.COMPACT_DISC, 8, 16);
    record = new MusicFormat(204, "The Doors", "Morrison Hotel", MusicType.RECORD, 15, 30);
    }

    #Test
    public void hadFormatId(){
        assertEquals(204, record.getFormatId());
    }

    #Test
    public void hasArtistName(){
        assertEquals("Sonic Youth", cassette.getArtistName());
    }

    #Test
    public void hasAlbumName(){
        assertEquals("American People", compactDisc.getAlbumName());
    }

    #Test
    public void hasRetailPrice(){
        assertEquals(MusicType.COMPACT_DISC, compactDisc.getType());
    }

    #Test
    public void hasRetailPrice(){
        assertEquals(30, record.getRetailPrice());
    }

    #Test
    public void canGetMarkup() {
        assertEquals(15, record.calculateMarkup());
    }
}
```

## **I&T I.T 3**

```
# pda_evidence_week3.rb

| pda_evidence_week3.rb | pda_evidence_week3.rb | pda_evidence_week3.rb | pda_evidence_week3.rb | pda_evidence_week3.rb | pda_evidence_week3.rb | pda_evidence_week3.rb | pda_evidence_week3.rb | pda_evidence_week3.rb | pda_evidence_week3.rb | pda_evidence_week3.rb | pda_evidence_week3.rb | pda_evidence_week3.rb | pda_evidence_week3.rb | pda_evidence_week3.rb | pda_evidence_week3.rb | pda_evidence_week3.rb | pda_evidence_week3.rb | pda_evidence_week3.rb | pda_evidence_week3.rb | pda_evidence_week3.rb | pda_evidence_week3.rb | pda_evidence_week3.rb | pda_evidence_week3.rb | pda_evidence_week3.rb | pda_evidence_week3.rb | pda_evidence_week3.rb | pda_evidence_week3.rb | pda_evidence_week3.rb | pda_evidence_week3.rb | pda_evidence_week3.rb | pda_evidence_week3.rb | pda_evidence_week3.rb | pda_evidence_week3.rb | pda_evidence_week3.rb | pda_evidence_week3.rb | pda_evidence_week3.rb | pda_evidence_week3.rb | pda_evidence_week3.rb | pda_evidence_week3.rb | pda_evidence_week3.rb | pda_evidence_week3.rb | pda_evidence_week3.rb | pda_evidence_week3.rb | pda_evidence_week3.rb | pda_evidence_week3.rb | pda_evidence_week3.rb | pda_evidence_week3.rb | pda_evidence_week3.rb | pda_evidence_week3.rb | pda_evidence_week3.rb | pda_evidence_week3.rb | pda_evidence_week3.rb | pda_evidence_week3.rb | pda_evidence_week3.rb | pda_evidence_week3.rb | pda_evidence_week3.rb | pda_evidence_week3.rb | pda_evidence_week3.rb | pda_evidence_week3.rb | pda_evidence_week3.rb | pda_evidence_week3.rb | pda_evidence_week3.rb | pda_evidence_week3.rb | pda_evidence_week3.rb | pda_evidence_week3.rb | pda_evidence_week3.rb | pda_evidence_week3.rb | pda_evidence_week3.rb | pda_evidence_week3.rb | pda_evidence_week3.rb | pda_evidence_week3.rb | pda_evidence_week3.rb | pda_evidence_week3.rb | pda_evidence_week3.rb | pda_evidence_week3.rb | pda_evidence_week3.rb | pda_evidence_week3.rb | pda_evidence_week3.rb | pda_evidence_week3.rb | pda_evidence_week3.rb | pda_evidence_week3.rb | pda_evidence_week3.rb | pda_evidence_week3.rb | pda
```

## **I&T I.T 4**

```
post evidence week3rb x

1  # 1.1 3 & 4

# Demonstrate searching datat in a program.
# Introduct that searches data
# The result of the function running

7  rounds = [72,74,68,72,75, 71, 68, 71]

8  def golf_overage_par(rounds)
8  total = 0
8  for round in rounds
8  total = round in rounds
9  result = golf_overage_par(rounds).to_s + " is my average scare per round of golf!"

8  puts result
9  puts result
9  puts scores = golf_par_comparison(rounds).to_s + " is the par scores for the individual rounds
8  rounds = [72,74,68,72,75, 71, 68, 71]
9  def golf_par_comparison(rounds).to_s + " is the par scores for the individual rounds
9  rounds = [72,74,68,72,75, 71, 68, 71]
9  def golf_par_comparison(rounds)
9  rounds = [72,74,68,72,75, 71, 68, 71]
9  def golf_par_comparison(rounds)
9  rounds = [72,74,68,72,75, 71, 68, 71]
9  def golf_par_comparison(rounds).to_s + " is the par scores for the individual rounds
9  rounds = [72,74,68,72,75, 71, 68, 71]
9  def golf_par_comparison(rounds)
9  rounds = [72,74,68,72,75, 71, 68, 71]
9  def golf_par_comparison(rounds).to_s + " is the par scores for the individual rounds)
9  puts scores
```

# Craig Lynagh

PDA: Software Development

### I&T: I.T 5

## I&T: I.T 6

Craig Lynagh

PDA: Software Development

### I&T: I.T 7

```
| MankPhymer.prox | X | Y | Parchaseable | NankPhymer.prox | X | Y | Parchaseable | NankPhymer.prox | X | Parchaseable | Y | Pa
```

## I & T Static & Dynamic Testing Task A

```
Terminal Shell Edit View Window Heip

| Static and Dynamic Tasks A | Section of Dynamic Tasks A | Secti
```