

# R7 – TEST CASES

## ERROR 1

This test case was conducted to ensure that when the user selects a quiz it runs.

### GIVEN

The given command below invokes the run\_test method with an parameter.

```
when "1"  
  puts "Loading the EASY capital city quiz!"  
  run_test(questions_capital_city_easy)
```

### ERROR RECEIVED

The error received below mentions that a local variable or method was undefined.

```
Loading the EASY capital city quiz!  
Traceback (most recent call last):  
index.rb:142:in `<main>': undefined local variable or method `questions_capital_city_easy' for main:Object (NameError)
```

### FIX APPLIED AND RESOLUTION

The resolution was to move the method over from a separate Ruby file into the same Ruby file where the method is being invoked. Once this fix was applied, the method was invoked without error and the quiz ran, see below:

```
*** CAPITAL CITY QUIZ MENU ***  
Enter (1) to try the EASY quiz  
Enter (2) to try the MEDIUM quiz  
Enter (3) to try the HARD quiz  
Press (4) to go back to the Quiz Menu  
Please select the quiz level you want to take: 1  
Loading the EASY capital city quiz! Sometimes, Michael it's great to start at the easiest level!  
What is the capital city of Australia?  
(A) Sydney  
(B) Canberra  
(C) Melbourne
```

***Second Test Case is below***

## **ERROR 2**

This second test was conducted to ensure the method captured every time a correct answer was given, it was calculated so it could be printed out to the user, displaying how many questions they got correct out of the total questions asked.

### **GIVEN**

The code given below is as so:

```
305 | puts "Your score for the EASY quiz is: " + $score_cc_easy + " / 5"
```

### **ERROR RECEIVED**

The error return when this was run was that the variable was not converted into a string

```
Traceback (most recent call last):  
  1: from index.rb:305:in `'  
index.rb:305:in `+': no implicit conversion of nil into String (TypeError)
```

### **FIX APPLIED AND RESOLUTION**

An easy fix was applied to convert the variable into a string using – `.to_s`

```
when "1"  
  puts "Loading Capital City Quiz Scores"  
  sleep(1)  
  puts "Your score for the EASY quiz is: " + $score_cc_easy.to_s + " / 5"
```

And as you can see below, the users correct answers given were calculation correct and shows how many correct answers they gave vs. the amount of questions asked.

```
You got 3/5  
Saving your score, check out the scores menu to see
```