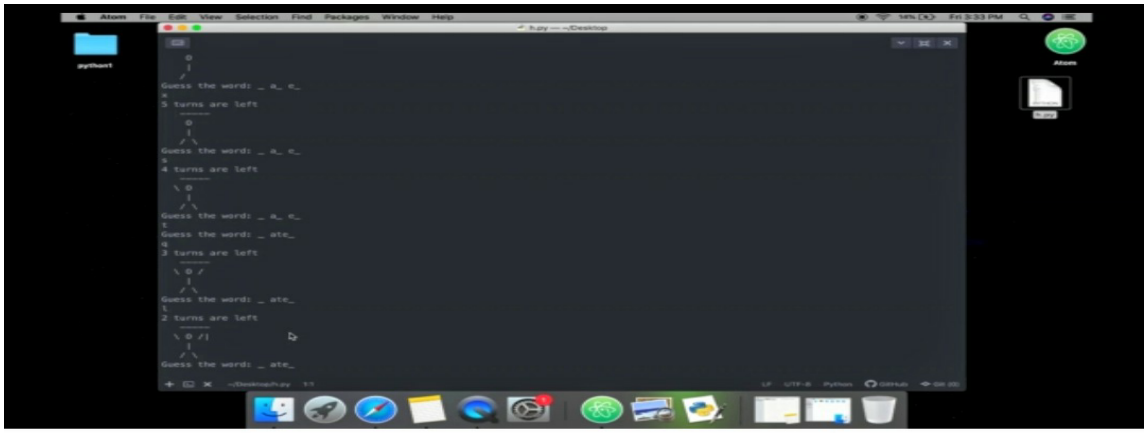
DAILY ASSESSMENT FORMAT

Date:	**23-05-2020**	**Name:**	**K Muthu**
Course:	**Python Bootcamp 2020 build 15 working applications and Games**	**USN:**	**4al17ec038**
Topic:	Hangman game Date and Time Coding Challenge	**Semester & Section:**	**6 & 'A'**
Github Repository:	**K.Muthu-courses**		

SESSION DETAILS

Image of session



Report – Report can be typed or hand written for up to two pages.

Hangman Game :

- Hangman is a guessing game for two or more players.
- One player thinks of a word, phrase or sentence and the other tries to guess it by suggesting letters within a certain number of guesses.
- Algorithm involved in the python coding part of Hangman game is,
  - ✓ *Develop the interface* - greeting the user and taking input.
  - ✓ *Predefined list* - list contains many words from which one is chosen randomly.
  - ✓ *Compare the word* - check the presence of guess character in the word.
  - ✓ *Reduce attempt* - if input character is not present then reduce the attempt.
  - ✓ *Figure* - Hangman figure based on the number of attempts.
- The user wins the game if and only the correct word is formed before the specified attempt.

Date and Time :

- In Python, date and time are not a data type of its own, so a module named **datetime** can be imported to work with the date as well as time.
- Datetime module comes built into Python, so there is no need to install it externally.
- Datetime module supplies classes to work with date and time.
- These classes provide a number of functions to deal with dates, times and time intervals.
- Date and datetime are an object in Python on manipulating them, we are actually manipulating objects and not string or timestamps.
- Ease to access the current date and time as this module has many attributes.

Code Challenge - 1 :

Problem statement :

"Write python code to verify user_name = "Micheal" and password ="e3$WT89x". The total number of attempts are 03. For every wrong user_name and password Print - Invalid username or Password, upon three attempts fails print- Account lockedIf inputs are correct Print - You have successfully login"

Python code :

```
attempt=0
while attempt<3:
    usr=input("Enter the username : ")
    pwd=input("Enter the password : ")
    if usr=="Micheal" and pwd=="e3$WT89x":
        print("You have successfully logged in...")
        break
    else:
        attempt+=1
        print("Invalid username or password...\n")
        if attempt==3:
            print("Account locked...")
```

The code is also uploaded in ECE-3year-Code-Challenge repository under Alva's Education Foundation organization on Github.