## **Unit 1** – Python language basics, introducing data types, variables, input, functions, operators, conditional statements, loops, and incrementing.

### **Module** 1 – Python Basics

**Getting Started with Python**

* print()
* Comments
* Data types basics
* Variables
* Addition with Strings and Integers
* Errors
* Character art

**Students will be able to:**

* Use Python 3 in Visual Studio
* Write working code using print() and # comments
* Combine Strings using string addition (+)
* Add numbers in code (+)
* Troubleshoot errors
* Create character art

# Activity 5 – Character Art

1. Enter a comment to begin Unit 1, Module 1, Activity 5: **U1\_M1\_A5**
2. View this video: [Print Character Art, Video #1](http://edxinteractivepage.blob.core.windows.net/edxpages/f7cff1a7-5601-48a1-95a6-fd1fdfabd20e.html?details=%5b%7b%22src%22:%22http://jupyternootbookwams.streaming.mediaservices.windows.net/d7a3d1b4-8d8d-4e9e-a984-a6920bcd7ca1/Unit1_Section1.5-ASCII_Art.ism/manifest%22,%22type%22:%22application/vnd.ms-sstr+xml%22%7d%5d,%5b%7b%22src%22:%22http://jupyternootbookwams.streaming.mediaservices.windows.net/d7a3d1b4-8d8d-4e9e-a984-a6920bcd7ca1/Unit1_Section1.5-ASCII_Art.vtt%22,%22srclang%22:%22en%22,%22kind%22:%22subtitles%22,%22label%22:%22english%22%7d%5d)

**Concept:** print() output to the console can create character art in the forms of pictures and stylized text. Below you are shown the code to create a stylized letter “A”.

# the letter 'A' code is:

print(" \*")

print(" \* \*")

print(" \*\*\*\*\*")

print(" \* \*")

print("\* \*")

print()

output example:

\*

\* \*

\*\*\*\*\*

\* \*

\* \*

1. Create the code to display the flying bird character art.

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\ . . /

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1. Create the code to display the capital letter “E” in character art.

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1. Create the code to display an image of your choice.
2. Thoroughly test your code, check comments and then submit according to teacher instructions.
3. Take the activity quiz.

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