Summative Assessment Term 1:

Please review the summative checklist and sign off on the bottom by 3:30 on Tuesday October the 6th

Submission Checklist:

File Setup:

- ❏ In my DP Computer Science folder I have created a folder called Assessment_1
- ❏ I have copied this document into the folder.
- ❏ I have reviewed the checklist and signed off at the bottom to confirm I have completed all the required items.

General Tools - General Tools Rubric

- ❏ I have completed the assigned tools in a file called “assessment_1_Tools.py” and pushed my repository.
- ❏ I have created accompanying pseudocode, flowcharts and trace tables for TWO of the assigned questions and stored them inside the assessment folder.
- ❏ I have reviewed the essential list that Mr. Miskew has included in this document and placed them in a common file called essenial_Tools.py and pushed my repository.
- ❏ All the tools that Mr. Miskew is to review are placed in my tools folder and is synced by 3:30 on Tuesday, October 6th
- ❏ All tools are organized clearly and commented on them for understanding.

Video:

- ❏ I have completed the required video that reviews the two tools that I have chosen to show my learning
- ❏ I have commented on the video tools for learning - This means demonstrating the ideas I have learned to date.
- ❏ I have uploaded my video into the Assessment_1 folder I created.

Question Set:

- ❏ have completed the Summative Tools Assessment Form by 3:30 on Tuesday, October 6th. CONSULT RESOURCES, DO NOT CONSULT WITH PEERS.

I have reviewed the checklist and acknowledge that I will not modify any of the materials after 3:30 on Tuesday October the 6th.

Emanuel Paduret

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What to expect:

An email will arrive in your mailbox by 8:00 am on Monday October 5th with a link to a google document. The document will have three tools you are to complete. You MUST complete them in Python, and can implement them in Javascript as required. It is these tools you must complete a flowchart, pseudocode and tracetable and store them in Assessement_1_Tools.py. If you complete it in JS make a similar file.

Require Tool 1: Common
Required Tool 2: Custom
Required Tool 3: Custom

You will also receive a link to the question set. This will be a one-time submission so please pick a time to sit down and do in one go.

Required Tools:

These are tools that were done in class or are based on conversations for class. I will be explicitly checking for these tools.

- ❏ base10ToBase2
- ❏ Base2ToBase10
- ❏ base2ToHex
- ❏ hexToBase2
- ❏ sumDigits
- ❏ modSum1
- ❏ modSum2
- ❏ modSum3
- ❏ modSum4
- ❏ reverseWordA
- ❏ reverseWordB

Assigned Tools - RUBRIC

Link to Internal Assessment: The internal assessment requires that students show the development of their project through flowcharts, pseudocode and trace tables. This is an opportunity to practice this, but in reverse, as you have already developed the code.

Level	Description:
1 - 2	● The response does not reach a standard described by the descriptors below.
3 - 4	● The pseudocode, flow charts and/or truth tables are partially correct ● The take-away ideas show a beginning to a moderate level of understanding ● The custom tool shows a beginning to moderate level of understanding
5 - 6	● The pseudocode, flow charts and/or truth tables are correct ● The take-away ideas show a moderate to a high level of understanding ● The custom tool is completed showing a moderate to a high level of understanding.
7	● The pseudocode, flow charts and/or truth tables are correct and clear ● The take-away ideas show a very high level of understanding ● The custom tool is completed showing a very high level of understanding.

Video Rubric:

Links to Internal Assessment: The internal assessment requires a video to be created. It has very strict guidelines in terms of time. The goal here is to ensure you can create an mp4 video and prepare you for Criteria D where you make a video to show your work as part of the IA.

Complete a video that meets the following requirements

- Chooses two tools to discuss
- Video length 7 - 10 minutes maximum
    - 30-second introduction - what will you be addressing
    - 3 minutes tool 1 (“basic” tool) explanation
    - 3 minutes tool 2 (“complex” tool) explanation
    - 30-second conclusion - summarize key takeaways
- The goal of the video is to demonstrate your learning.
- I will be looking for the proper use of vocabulary and theory.
- Don’t try and do everything!

Level	Description:
1-2	● The video response does not reach a standard described by the descriptors below.
3 - 4	● The video demonstrates a low level of understanding of the code discussed. ● The language used to describe ideas is partially correct.
5 - 6	● The video demonstrates a moderate to a high level of understanding in the code discussed. ● The language used to describe ideas is correct and precise.
7	● The video demonstrates a very high level of understanding in the code discussed ● The language used to describe ideas is correct and very precise.

Tools Assessment (Overall):

Level:	Description:
1-2	● The tools class does not reach a standard described by the descriptors below.
3 - 4	● The tools and techniques demonstrate a low level of complexity and ingenuity. ● It is characterized by the limited implementation of the tools based on classwork.
5 - 6	● The tools and techniques demonstrate a moderate to high level of complexity and ingenuity. ● It is characterized by the implementation of some of the tools based on classwork. ● It is characterized by the implementation of some additional tools.
7	● The tools and techniques demonstrate a high level of complexity and ingenuity. ● It is characterized by the implementation of most of the tools based on classwork. ● It is characterized by the implementation of some additional tools further developing ideas from class.