

Coding & Programming					School	Johns Creek High School
					Names	Daniel Kramer
					URL	https://github.com/drkspace/CodingandProgrammingFBLA
Evaluation Item	Not Demonstrated	Does Not Meet Expectations	Meets Expectations	Exceeds Expectations		
Program Readability and Style						
Appropriate identifiers used for variables, constants, arrays, objects, etc.	0	1–3	4–7	8–10	10	
Commentary provided line-by-line and/or section is readable, useful, and complete	0	1–7	8–14	15–20	20	
General program documentation is readable, useful, and complete (i.e. execution instructions, system requirements, etc.)	0	1–7	8–14	15–20	20	
Program Structure and Content						
Program is concise, does not contain unnecessary complexity or repetitive blocks of code (uses functions and sub routines as necessary)	0	1–7	8–14	15–20	18	
Appropriate data types are used for data storage to avoid drain on system resources	0	1–7	8–14	15–20	20	
Program follows a logical sequence to accomplish required tasks (unusual approaches are well documented)	0	1–3	4–7	8–10	10	
Results						
Program produces desired results (free of logic errors)	0	1–7	8–14	15–20	18	
Program handles user and/or data input errors well (coded to avoid run-time errors)	0	1–7	8–14	15–20	18	
Resulting output/feedback (onscreen and/or printed reports; alert/error messages, etc.) were useful	0	1–10	11–20	21–30	28	
Usability						
Program provides instructions or a help menu for user assistance	0	1–3	4–7	8–10	8	
User is able to navigate the program intuitively using a logical sequence (appropriate tab order for user input, asks for input in a logical sequence, etc.)	0	1–3	4–7	8–10	8	
Program interface, feedback, reports, etc. are free of spelling, punctuation, and grammatical errors	0	1–2	3–4	5	4	
Program aesthetics maintain user interest	0	1–2	3–4	5	3	
Subtotal /200 max.					185	
Penalty Points: Deduct up to 20 points for not adhering to Guidelines.						
Total Points /200 max.					185	
Comments1					To start, mentioning "Run the application" is not very appropriate for teaching how to run the application. Also, please mention what version of Python you are using (Python 2 and 3 are very different and require proper installation of either)	
Comments2					Actual code documentation is detailed and clear, great job! Methods and variables are very appropriate and syntax is very clean. Strong display of programming skills, keep it up!	
Comments3					All main functionality covered, but UI could use work. Properly grouping and spacing the buttons can help (user interface does not flow well). Overall though, UI flows well.	
Comments4					Not sure how searching works, please provide further instruction on those in the future or make it more intuitive (filling in text fields and pressing search did nothing)	
Comments5						
Comments6						

Coding & Programming					School	Johns Creek High School
					Names	Daniel Kramer
					URL	https://github.com/drkspace/CodingandProgrammingFBLA
Evaluation Item	Not Demonstrated	Does Not Meet Expectations	Meets Expectations	Exceeds Expectations		
Program Readability and Style						
Appropriate identifiers used for variables, constants, arrays, objects, etc.	0	1-3	4-7	8-10	8	
Commentary provided line-by-line and/or section is readable, useful, and complete	0	1-7	8-14	15-20	18	
General program documentation is readable, useful, and complete (i.e. execution instructions, system requirements, etc.)	0	1-7	8-14	15-20	14	
Program Structure and Content						
Program is concise, does not contain unnecessary complexity or repetitive blocks of code (uses functions and sub routines as necessary)	0	1-7	8-14	15-20	15	
Appropriate data types are used for data storage to avoid drain on system resources	0	1-7	8-14	15-20	15	
Program follows a logical sequence to accomplish required tasks (unusual approaches are well documented)	0	1-3	4-7	8-10	7	
Results						
Program produces desired results (free of logic errors)	0	1-7	8-14	15-20	15	
Program handles user and/or data input errors well (coded to avoid run-time errors)	0	1-7	8-14	15-20	14	
Resulting output/ feedback (onscreen and/or printed reports, alert/error messages, etc.) were useful	0	1-10	11-20	21-30	20	
Usability						
Program provides instructions or a help menu for user assistance	0	1-3	4-7	8-10	6	
User is able to navigate the program intuitively using a logical sequence (appropriate tab order for user input, asks for input in a logical sequence, etc.)	0	1-3	4-7	8-10	7	
Program interface, feedback, reports, etc. are free of spelling, punctuation, and grammatical errors	0	1-2	3-4	5	4	
Program aesthetics maintain user interest	0	1-2	3-4	5	3	
Subtotal /200 max.					146	
Penalty Points: Deduct up to 20 points for not adhering to Guidelines.						
Total Points /200 max.					146	
Comments1					Requires that I have Python2.7 installed for the Tcl library I believe? Make sure you include that in the documentation. Code comments are clear and variables are descriptive.	
Comments2					Consider grouping related functions into classes and possibly splitting the code into multiple files. A single file over 1000 lines can be hard to maintain over time. Moving functions into classes will reduce the number of global functions and reduce the possibility of name collisions. Some functions, such as add_to_db, have a large number of arguments; consider sending the array to add_to_db to make the code cleaner.	
Comments3					Consider adding feedback to Edit Employee Details search if no results were found so users do not wonder if the application is responding or not. Also, consider validating user input, such as blocking empty names. The "Print Customer Attendance" button in the Add Customer screen does not function.	
Comments4					Consider more flexible search or table options for edit employee/customer details so user doesn't have to remember exact spelling. Consider adding to your help menu; while the interface is relatively self-explanatory, a more thorough help guide could make it more comfortable to users.	
Comments5						
Comments6						