

REFLECTION REPORT

Assignment 2

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The report describing design process for development of the calendar program Ada programming language.

Designing:

The designing of the program claims merit from the typing and modularity of the programming language which allowed the calendar application to work just fine.

Attention was drawn on the functionality of the language to support encapsulation almost comparable to languages like java by providing distinct modules which ensured clear distinction of functions and management of code.

Process

The primary function described in the document were utilized and the functions which were too lengthy to keep track in a single function were broken down into multiple functions.

The compiler warnings generated by the gnatmake compiler and the -Wall really guided the development process as the optimization of the code was improved by multiple instructions provided such as declaring constants, type casting, string length adherence really proved to be fruitful in developing the deliverable.

however, was unable to implement the data file for the banner so I replaced it with a string representation for the big font characters which indeed provided the desired result.

Ada's suitability, structure and trade-off's

Though not my first choice as a programmer who is not refined in Ada the language has shown to be well-suited for the problem strongly due to its emphasis on reliability and maintainability which prove to be crucial for date and time management. The language however has some limitation as the learning curve that came with it was steep which led to longer development time coming up just short of 14 hours whereas the expected was 8-10.