Programming and database

Student’s Name

Institution

Date

**Advantages of Functions and arrays in programming**

Programming informs working with several tools to ensure that a reliable and better application is created. Therefore, functions and arrays play a critical role in ensuring that a good application is developed (Das, 2015). Functions are blocks of codes, which perform specific tasks. Functions make the programming easy because of its ability to allow a program to divide his or her work and grouped them among members. This makes the project implementation to be very easy because it can be completed in parallel. It also makes the testing of application easy, since the fault and can easily be located for further investigations to be done. Using the functions make sharing of code. It also makes the program to be more readable and easy to understand. It is also pointed out that using large data becomes easy because of the function. The function easy for thousands of code lines to be debugged, and edit.

Arrays are also an important factor in programming and it contributes to the success programming and implementation of an application (Patterson, 2012). The arrays allow a developer to store several elements on the process of programming by declaring one variable as arrays. However, the main advantage of arrays is that multiple numbers of the arrays having similar variables names can be declared. It is also important to state that the size of arrays is also fixed and it can be used in the implementation of other data structures like a stack, queue, and linked list.

In conclusion, arrays and functions are helpful in programming and they are a key to developing a good application. Functions reduce the duplication of codes and make the software or application very readable and therefore, it is important to use functions and arrays to develop a better application.

# References

Das, K. (2015). *Python for you and me, Release 0.3.alpha1.* New York: Pearson.

Patterson, P. (2012). Introduction to Advantages of Array: Advantages Of Array. *https://www.educba.com/advantages-of-array/*, 2-31.