

## PGR112 Report

Object-oriented programming is the foundation for most programming languages of the world today. Rather than focusing on the logic around programming and trying to orientate around it, object oriented programming focuses on how to manipulate and update the objects instead. This type of programming is developed and suited for programs that are large and complex, like most of the programs are today.

JDBC is a program in Java that allow it to access and use the various functions that the database management system has. With JDBC you can connect to a data source for example a database and it gives your program a real structure, instead of relying on arraylists etc. to store all your data, you can rather use a well-functioning database.

As I was programming and trying to find a. efficient solution to go through my list, I implemented lambda to iterate over a arraylist. I have also relied a lot on arraylists to temporarily store some data while the program is running. I also use arraylist to run through the questions. I have also used while statements so the program knows when to stop running and when to continue. Instead of relying of if-statements I've rather used switch statements because it gave some variation in my code, I felt like it worked better and the code had a nicer structure like that

### References:

*What is Object-Oriented Programming (OOP)?* (2022). Available at:

<https://www.techtarget.com/searchapparchitecture/definition/object-oriented-programming-OOP>  
(Accessed: 31 May 2022).