**LO1:  Explain the principles of Object-Oriented Programming**

*1.1* *Explain the key features of object oriented programming.*

*1.2* *Explain the importance of encapsulation, inheritance and polymorphism in object oriented programming.*

Create a formal report that explains the basic principles of Object Oriented Programming. (OOP). Your reports should include:

* Key features:
* discrete, reusable units of programming logic
* identification of objects
* data abstraction
* modularity
* classification
* inheritance
* polymorphism
* encapsulation
* classes
* methods
* message passing.

Suggested wordcount: 1200 words.