NAMA : MUHAMMAD ADAM BIN RAZALI

NOMBOR MATRIK : A23CS0116

Exercise

1. What are the **7 basic principles** of object orientation? Provide a brief description for each principle.
2. State the **benefits** of OOP.

1. The 7 basic principles of OOP includes:

1. Divide-and-Conquer
2. Encapsulation and Modularity
3. Public Interface
4. Information Hiding
5. Generality
6. Extensibility
7. Abstraction

2. The benefits of OOP includes:

1. Minimize the development time and cost by reusing the code when object of class is created in which it can be used many times.
2. Easier to debug the code since classes can be tested independently.