**Questions**

1. **Name and describe each of the five phases in the software development cycle.**

There are 5 phases in the design of any program or algorithm. The first phase is Analysis where you define the problem and try out different solutions. The second phase is to outline the solution, develop the outline into an algorithm and test the algorithm for correctness. The third phase is implementation which is to code the algorithm using a specific programming language. The fourth phase is testing where you will test the program, try different data and use different testers. The final phase is maintenance which will have you document and maintain the program,

1. **What is an algorithm? Explain.**
2. **Name the properties of an algorithm.**
3. **Describe all the steps used to construct an algorithm. Point form is acceptable.**