

Programming I.

Final exam questions

1. Concept of program. Aim of programming. Programming process.
2. Structured, object-oriented, event-driven, visual programming basics.
3. Concept of variable. Locality, globality, side-effect
4. Simple data types and operations. Type conversions. Mathematical functions.
5. Conditional statement. Switch statement. Short-circuit evaluation. Variable scope.
6. Loop types and properties.
7. Complex data types and operations.
8. Method types and properties. Parameter assignment.
9. Simple programming theorems.
10. Complex programming theorems.
11. Character and string type. Operations.
12. File management.
13. Object-oriented programming basics (class, object, method, instantiation)
14. Object-oriented paradigm. Constructor, destructor, property, publicity.