Programming I.

Final exam questions

2021/2022 spring

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 their operations. Type conversions. Mathematical functions.
5. Conditional statement, switch statement. Short circuit evaluation, variable scope.
6. Loop types. Properties.
7. Complex data types and their operations.
8. Method types, properties. Parameter assignment.
9. Simple programming theorems.
10. Complex programming theorems.
11. Character and string types. Operations.
12. File management.
13. Object-oriented programming basics (class, object, method, instantiation)
14. Object-oriented paradigm principles. Constructor, destructor, property, publicity.