

	શાયનું લગ્ન
	Programming I (Python)
	Assignment 1
1.	Which of the following are native types in OCaml?
	1. int
	2. float
	3. char

2. What are the features of a first class object in a programming language?

4. string5. list6. tuple

7. dictionary8. record9. class10. modules

1. + 2. <> 3. != 4. ~-. 5. mod 6. lsr

1. Can be called as a procedure

5. Can be stored in a data-structure6. Can be imported as a module

3. Can be used as a type

2. Can be passed as a parameter to a function

4. Can be returned from a function as a value

3. Which of the following operators have left associativity:

- 7. lnot
- 4. In OCaml, When an expression is evaluated, which of following things may happen:
 - 1. It may evaluate to a value of the same type as the expression.
 - 2. If typechecked successfully, it will never raise an exception.
 - 3. It may not terminate.
 - 4. It is guaranteedd to terminate.
- 5. Which of the below are true about OCaml type system?
 - 1. Statically typed
 - 2. Dynamically typed
 - 3. Implicitly typed
 - 4. Explicitly typed
 - 5. Both implicitly and explicitly typed
- 6. Which of the following are true about OCaml commands:
 - 1. They are pure commands.
 - 2. They always produce a value.
 - 3. They may produce a value.
 - 4. They do not produce a value.
- 7. A working definition of a "safe" programming language is:
 - 1. A program written in the programming language can't ever fail.
 - 2. A valid program will never fault because of an invalid machine operation.
 - 3. There are no runtime type errors.
 - 4. Type conversions are disallowed.
- 8. of the following will typecheck:
 - 1. 1 + .2
 - 2. 1 + 2
 - 3. 1. + .2.
 - $4. \ 1.0 + 2.0$
 - $5. \ 1.0 + .2.0$
 - 6. 1. + .2
- 9. When we use one of the OCaml compilers to compile an OCaml program program.ml, the compiler name and object code file name are related as follows:
 - 1. ocamlc \mapsto program.mlo
 - 2. ocamlopt \mapsto program.mlo

- 3. ocamlc \mapsto program.mlc
- 4. ocamlc \mapsto program.cmo
- 5. ocamlc \mapsto program.cmx
- 6. ocamlopt \mapsto program.cmo
- 7. ocamlopt \mapsto program.cmx
- 10. Which of the following are true about OCaml programs:
 - 1. OCaml programs must always be written on the top loop.
 - 2. OCaml programs must be written in a file like in C.
 - 3. OCaml programs must always be compiled explicitly before being executed.
 - 4. OCaml compiler always produces native machine code as output as in C.
 - 5. OCaml compiler always produces bytecode as output as in Java.
 - 6. OCaml compiler can be used to produce either machine code or byte code as per user preference.