

Pune Vidyarthi Griha's
COLLEGE OF ENGINEERING, NASHIK – 4
COMPUTER ENGINEERING DEPARTMENT

Subject : COMPILER

ASSIGNMENT NO – 01

Unit : I

1. Explain the phases of compiler in details with example.
2. Explain the cousin of compiler with suitable diagram.
3. Describe the types of compiler.
4. Explain the compiler construction tools with diagram. (**explain how compilers-compilers can reduce the effort in implementing new compiler**).
5. Explain the interaction between lexical analyzer and parser in first pass of compiler.
6. Explain the detail of Front end-Back end arrangement of compiler design.
7. What is the role of lexical analyzer in compilation process? Explain use and design of input buffer.
8. Define token, lexemes , pattern, lexical error & regular expression.
9. Why lexical analyzer and parser are two separate phases? How they are combined in single pass?
10. Explain the use of yylex, yymore, yyless, yyin & yywrap function.
11. Write a lex program to count no. of characters, words, newline, tab and white spaces in a given inputer text file.
12. What is difference between phases and pass of compiler? Explain machine dependant and machine independent phases of compiler.
13. Write a lex specifications and auxilary procedures to perform following task.
14. Whether lexical analysis detects any error? Explain with example?
15. Compare compiler and interpreter.

***** **Best of Luck** *****