

CIT237

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1. The efficiency of Quick sort is represented as _____

--->> $C_{\text{worst}}(n) \sim \frac{1}{2}n^2$

$C_{\text{worst}}(n) \sim \frac{1}{2}n \log n$

$C_f(x)_{\text{worst}}(n) \sim \frac{1}{2}n^2$

$C_{\text{worst}}(n) \sim \frac{1}{2}m^2$

2. If there's no base criteria in a recursive program, the program will _____

execute until all conditions match

not be executed.

obtain progressive approach.

--->> execute infinitely.

3. Major functional programming languages are _____

Lisp, R, Visual Basic, Scheme, Haskell, and ML.

Lisp, Scheme, C++, Haskell, and ML.

--->> Lisp, Scheme, Haskell, and ML.

Lisp, Scheme, Haskell, C++, and ML.

4. The fundamental building blocks of OO programming are _____

classification, object modelling, , interface, and inheritance

--->> object modelling, classification and inheritance

object modelling, classification and polymorphisms

classification, Clustereing, inheritance and object modelling

5. In assembly language, memory addresses are referenced by symbols rather than addresses in _____

high level language

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low level language

compiler

6. Traditionally, MIS have been developed in programming languages like: _____

COBOL, FORTRAN, PYTHON, AND C++.

COBOL, BASIC, FORTRAN, C, AND C++.

--->> COBOL, RPG, and SQL.

COBOL, RPG, PERL and MSQL.

7. _____ is an integral part of software development.

--->> Testing

Documentation

design

Algorithm

8. C++, encourages the use of _____ instead of pointers

--->> references

hashing

function

linkages

9. The worst case complexity of binary search matches with _____

--->> linear search

interpolation search

merge sort

binary search

10. Major procedural programming languages are _____

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COBOL, FORTRAN, PYTHON, AND C++.

COBOL, BASIC, FORTRAN, C, AND C++.

COBOL, LATEX, FORTRAN, C, AND C++.

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