

INTRODUCTION TO 4GL

4GL:

Here 4GL is stands for fourth generation language.

Some of the examples are VB, SQL etc.

4GL is a grouping of programming languages which are invented to get closer to human language than 3GLs.

Now the question is how to 4GL is closer to human language?

So we will get answer from SQL query. We have to find out the number of students whose names are Jayesh in a table.

Select * form student where name = 'Jayesh';

Its same as humans speaks.

But the question is what is 3GL?

So 3GL is high level languages like JAVA, C++.

Other than 4GL and 3GL there is 1GL,2GL,5GL too.

1GL, include machine language.

2GL, includes assembly language.

5GL, includes neural networks and artificial intelligence.

MCQs on 4GL

Q1. Which of the following 4GLs invented at IBM and subsequently adopted by ANSI and ISO as the standard language for managing structured data?

- a) SQL
- b) PROLOG
- c) C

Q2. Productivity of software engineers is reduced in using a 4GT.

- a) True
- b) False

Q3. 4GL is an example of _____ processing.

- a) Black Box
- b) Functional
- c) Both Black Box & Functional

Q4. Identify a fourth generation language(4GL) from the given below.

- a) FORTRAN
- b) COBOL
- c) Unix shell

Q5. Which 4GL is used for Data manipulation, analysis, and reporting languages

- a) Lisp
- b) SAS
- c) Unix shell
- d) MATLAB

Q6. Which of the following 4GLs is low code/no code development platform

- a) FORTRAN
- b) New Horizon
- c) Progress

Q7. 4GL used for mathematical optimization

- a) MATLAB
- b) Unify Vision
- c) Visual DataFlex

Q8. GUI creator 4GL

- a) Visual DataFlex
- b) LIRC
- c) R

MCQs Answers

Q1. (a)

Q2. (b)

Q3. (c)

Q4. (c)

Q5. (b)

Q6. (c)

Q7. (a)

Q8. (a)

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