#5 Generation
Platform Independent High-level programming languages

Even though High-level programming languages offers operating system platform portability in running the programs, they have their own dis-advantages in using them as below

drawbacks:-
 1. These languages even though they offer operating system portability, the developer has to compile the programs on each operating system platform and generate operating system specific executable code which is a tedious job

 2. There are few instructions that are provided by High-level programming languages are specific to operating system platform (to expose/provide better control in perform operations on the underlying operating system), due to this developers has to write complex programming logic in building the applications to achieve operating system portability.
means based on operating system on which the programing is running, few instructions should be written to be executed or applied only on that operating system platform

 3. extensive testing needs to be conducted across the operating system platforms by the testing team (windows testing team, linux testing team) to ensure the software application or program developed works across all the operating systems

 4. with this the cost of testing and time needed for testing and certifying the application is going to be more.

 5. the cost and time in maintaining the application is also very high and difficult.

 6. The software manufacturing and distribution company has to compile and maintain multiple versions of the software for each operating system platform, so distributing the software is also very complex

To overcome all the above dis-advantages in building and distributing the software across multiple operating system platforms, the Platform Independent High-level programming languages are introduced like
1. java
2. .net
3. scala
4. ruby
etc.

The Platform-Independent High level programming languages also provides their own instruction-set, which are more sophisticated than High-level language instruction set.

All the instructions that are provided by platform independent high-level programming languages are not low-level or operating system platform specific, rather these instructions are guaranteed to work across all the operating system platforms.