1) What is the difference between high-level and low-level programming language.

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| Pointer | High Level Language | Low Level Language |
| Understand | It uses English like statements to write the computer instructions. | It is used to write computer codes which are written in the binary language or machine codes. |
| Translator | It requires the use of a compiler or an interpreter for their translation into the machine code. | It uses computer processor to directly process the codes. |
| Speed | It takes more time for execution as compared to low-level languages because these require a translation program. | The translation speed of low-level languages is very high. |
| Debug | It is very easy to debug these languages. | A programmer cannot easily debug these languages. |
| Example | Java, C, C++, Python, etc. are examples of High level languages. | They are typically formulated as bit patterns, usually represented in octal or hexadecimal. Each bit pattern causes the circuits in the CPU to execute one of the fundamental operations of the hardware. |
| Application | **Compilers and Interpreters,** application development: web, mobile apps, business applications. | Assembly Language, Machine Code |

2) Describe python programming language

A. Python is a high-level, general-purpose programming language. Its design philosophy emphasizes code readability with the use of significant indentation. Python is dynamically typed and garbage-collected. It supports multiple programming paradigms, including structured, object-oriented and functional programming. It is often described as a "batteries included" language due to its comprehensive standard library.

3) What is a platform independent programming language

A. Programming language that can be executed on different platforms without modification is called platform independent programming language. Platform-independent software can be used in many different environments, requiring less planning and translation across an enterprise.