Q1. Is it permissible to use several import statements to import the same module? What would the goal be? Can you think of a situation where it would be beneficial?

**Ans:** You can define your most used functions in a module and import it, instead of copying their definitions into different programs. A module can be imported by another program to make use of its functionality.

Q2. What are some of a module's characteristics? (Name at least one.)

**Ans:** Characteristics of Modules

* Modules contain instructions, processing logic, and data.
* Modules can be separately compiled and stored in a library.
* Modules can be included in a program.
* Module segments can be used by invoking a name and some parameters.
* Module segments can be used by other modules.

Q3. Circular importing, such as when two modules import each other, can lead to dependencies and bugs that are not visible. How can you go about creating a program that avoids mutual importing?

**Ans:** Use the imported module inside functions and code blocks that don't get run on import. Generally, in most valid cases of circular dependencies, it's possible to refactor or reorganize the code to prevent these errors and move module references inside a code block.

Q4. Why is \_ \_all\_ \_ in Python?

**Ans:** It is a list of public objects of that module, as interpreted by import \*. It overrides the default of hiding everything that begins with an underscore. Linked to, but not explicitly mentioned here, is exactly when \_\_all\_\_ is used.

Q5. In what situation is it useful to refer to the \_ \_name\_ \_ attribute or the string '\_ \_main\_ \_'?

**Ans:** \_\_name\_\_ is a built-in variable which evaluates to the name of the current module. Thus, it can be used to check whether the current script is being run on its own or being imported somewhere else by combining it with if statement, as shown below.

Q6. What are some of the benefits of attaching a program counter to the RPN interpreter application, which interprets an RPN script line by line?

**Ans:** An advantage of reverse Polish notation is that it removes the need for scientific, financial, or programmable, until it introduced the HP-10 adding machine calculator in 1977. Stack-oriented programming languages.

Q7. What are the minimum expressions or statements (or both) that you would need to render a basic programming language like RPN primitive but complete— that is, capable of carrying out any computerised task theoretically possible?

**Ans:** The programming language enables us to write efficient programs and develop online solutions such as- mobile applications, web applications, and games, etc. Programming is used to automate, maintain, assemble, measure, and interpret the processing of the data and information.