- 1. What is python? What are the benefits of using python?
- Python is an interpreted, object-oriented, high
  level programming language with dynamic
  semantice It is available in open source
  and binary formats for all major platforms
  and can be used and distributed commercially
  for free

Rython & simple, easy to learn anduse, It supports program modulity, code reuse and an ineredibly rapid interestive development environment with its quick debugging.

- 2. What type of language & python?
- 3 python is a Third Generation, High level, interpreted, object-oriented language.
- 3. What is the difference between a list and a tuple?
- The key differentiating factor in the comparison of lists and highes in python is that lists one mutable whereas tuples care immutable i.e. If its can be modified after initialization while tuples do not support modifications.

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- 4. What are the supported data types in python?
- -> python's breilt-in clata types are listed as follows:
  - o Text type- str.
  - · O Numeric types int, Float, complex
  - o sequence types lest, tuple, range.
  - o mapping type dict
  - 0 set types set, Frozenset.
  - o Boolian type-bool.
  - 0 Binary types bytes, bytearray, memorgines.
  - 5. What is a dictionary in python?
- A dictionary or a dict in python is an unordered collection of mapped items each element of a dictionary is a key: value pair that can be used to retrieve data if a key; when is an item is an item.

example: mydict = { "name": "rejz", marks": 843.

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6. What would be the output of the following code block?

listi = [2,3,222,14,25] print (listi [-2])

> The output will be " 14"