

```
str1
```

Out[9]:

```
['G', 'o', 'o', 'd', ' ', 'M', 'o', 'r', 'n', 'i', 'n', 'g']
```

Q7. From the command line, how do you get support with a user-written Python programme? Is this possible from inside IDLE?

User Written Python Programme :- Start a command prompt (Windows) or terminal window (Linux/Mac). If the current working directory is the same as the location in which you saved the file, you can simply specify the filename as a command-line argument to the Python interpreter. From IDLE :- From the Shell window menu, select File → New File. That should open an additional editing window. Type in the code to be executed. From the menu in that window, select File → Save or File → Save As... and save the file to disk. Then select Run → Run Module. The output should appear back in the interpreter

Q8. Functions are said to be “first-class objects” in Python but not in most other languages, such as C++ or Java. What can you do in Python with a function (callable object) that you can't do in C or C++?

The following points can be performed using Python:

A function is an instance of the Object type. You can store the function in a variable. You can pass the function as a parameter to another function. You can return the function from a function. You can store them in data structures such as hash tables, lists,

Q9. How do you distinguish between a wrapper, a wrapped feature, and a decorator?

Wrapper which is around the function is called as Decorator.

Q10. If a function is a generator function, what does it return?

Generator function are special type of function which written lazy iterator.

Q11. What is the one improvement that must be made to a function in order for it to become a generator function in the Python language?

Generator is written as normal function but uses yield keyword to return values instead of return keyword.

Q12. Identify at least one benefit of generators.

return statement sends a specified value back to its caller whereas yield statement can produce a sequence of values. We should use generator when we want to iterate over a sequence, but don't want to store the entire sequence in memory.

In []: