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Quine in Python

Quine is a program which takes no input but outputs a copy of its own code. We have discussed [quine in C](#).

The shortest possible quine in python is just a single line of code!

```
_='_%r;print _%_';print _%
```

[Run on IDE](#)

In case of Python3.x

```
_='_%r;print _(%%)_';print (_%)
```

[Run on IDE](#)

'_=%r;print _%%_'. Secondly, we are printing _%. Here we are printing _ with _ as input to string formatting. So %r in _ gets the value of _. You can even use %s instead of %r. We used double % in '_=%r;print _%%_' to escape %.

But you may say that the below code is the smallest, right!

```
print open(__file__).read()
```

[Run on IDE](#)

You need to note that it is indeed the smallest python program that can print its own source code but it is not a quine because a quine should not use `open()` function to print out its source code.

This article is contributed by **Sri Sanketh Uppalapati**. If you like GeeksforGeeks and would like to contribute, you can also write an article using contribute.geeksforgeeks.org or mail your article to contribute@geeksforgeeks.org. See your article appearing on the GeeksforGeeks main page and help other Geeks.

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