

In [1]:

```
import pyspark
import random

sc = pyspark.SparkContext(appName="Pi")
num_samples = 100000000

def inside(p):
    x, y = random.random(), random.random()
    return x*x + y*y < 1

count = sc.parallelize(range(0, num_samples)).filter(inside).count()

pi = 4 * count / num_samples
print(pi)

sc.stop()
```

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Exception                                 Traceback (most recent call last)
<ipython-input-1-d238d928b66c> in <module>
      2 import random
      3
----> 4 sc = pyspark.SparkContext(appName="Pi")
      5 num_samples = 100000000
      6

~\anaconda3\lib\site-packages\pyspark\context.py in __init__(self, master, a
ppName, sparkHome, pyFiles, environment, batchSize, serializer, conf, gatewa
y, jsc, profiler_cls)
    142         " is not allowed as it is a security risk.")
    143
--> 144     SparkContext._ensure_initialized(self, gateway=gateway, conf
=conf)
    145     try:
    146         self._do_init(master, appName, sparkHome, pyFiles, enviro
nment, batchSize, serializer,

~\anaconda3\lib\site-packages\pyspark\context.py in _ensure_initialized(cls,
instance, gateway, conf)
    329         with SparkContext._lock:
    330             if not SparkContext._gateway:
--> 331                 SparkContext._gateway = gateway or launch_gateway(co
nf)
    332                 SparkContext._jvm = SparkContext._gateway.jvm
    333

~\anaconda3\lib\site-packages\pyspark\java_gateway.py in launch_gateway(con
f, popen_kwargs)
    106
    107         if not os.path.isfile(conn_info_file):
--> 108             raise Exception("Java gateway process exited before
sending its port number")
    109
    110         with open(conn_info_file, "rb") as info:

Exception: Java gateway process exited before sending its port number
```

In []: