'''

Experiment 10 : Programs on Threading using python.

Name : Khan Arshad Abdulla

Roll No : 20CO24

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THEORY:

Thread:

In computing, a process is an instance of a computer program that is being executed. Any process

has 3 basic components.

Multithreading:

Multiple threads can exist within one process where:

Each thread contains its own register set and local variables (stored in stack).

All thread of a process share global variables (stored in heap) and the program code.

Multithreading is defined as the ability of a processor to execute multiple threads concurrently.

In Python, the threading module provides a very simple and intuitive API for spawning multiple

threads in a program.

'''

from threading import \*

class A(Thread):

def run(self):

for i in range(50):

print('A')

class B(Thread):

def run(self):

for i in range(50):

print('B')

def main():

a = A()

b = B()

#b = Thread(target=B.run, args=(B(),))

a.start()

b.start()

a.join()

b.join()

print('Done')

if \_\_name\_\_ == '\_\_main\_\_':

main()

'''

OUTPUT:

A

AB

B

B

B

B

AB

B

A

A

A

A

A

A

A

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AB

A

A

A

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Done

CONCLUSION: In this experiment we have successfully implemented Multithreading with Python.

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