Practical No 5

Aim: Write A Program To Implement Different Type Of Threads In Python A. Single Thread

Without Using Threading

```
class A:
    def run(self):
        for i in range(5):
            print("John Doe")

class B:
    def run(self):
        for i in range(5):
            print("Jane Doe")

obj1=A()
obj2=B()

print("Without Using Threading")
obj1.run()
obj2.run()
```

from threading import Thread class A(Thread): def run(self): for i in range(5): print("John Doe (Thread)") sleep(1) class B(Thread): def run(self): for i in range(5):

print("Jane Doe (Thread)")

Using Threading

from time import sleep

```
objT2=B()

print("Using Threading")
objT1.run()
objT2.run()
```

sleep(1)

objT1=A()

```
Without Using Threading
John Doe
John Doe
John Doe
John Doe
John Doe
Jane Doe
Jane Doe
Jane Doe
Jane Doe
Jane Doe
Using Threading
John Doe (Thread)
Jane Doe (Thread)
```

```
B. Multitasking Thread
# Mutitasking Thread
from time import sleep
from threading import Thread
class A(Thread):
  def run(self):
    for i in range(5):
       print("John Doe ")
       sleep(1)
class B(Thread):
  def run(self):
    for i in range(5):
       print("Jane doe ")
       sleep(1)
t1=A()
t2=B()
t1.start()
t2.start()
t1.join()
t2.join()
print("I Am Main Thread")
John Doe
Jane doe
John Doe
Jane doe
John Doe
 Jane doe
John Doe
Jane doe
John Doe
Jane doe
I Am Main Thread
C. Daemon Thread
from threading import *
from time import sleep
def thread1():
  for i in range(5):
    print("This Is Non-Daemon Thread")
    sleep(2)
T = Thread(target = thread1)
T.start()
sleep(5)
print("Main Thread Execution")
This Is Non-Daemon Thread
This Is Non-Daemon Thread
This Is Non-Daemon Thread
Main Thread Execution
This Is Non-Daemon Thread
This Is Non-Daemon Thread
```