

Faculty of Engineering & Technology

Electrical & Computer Engineering Department

OS Project

Thread Management Simulator

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حفظ الترجمة

This week,we'll show each person's accomplishments

Rivan:

My new work :

def creatThread(self ,threadname,id,enteryPoint):

        thread=Thread(threadname,id,enteryPoint)

        self.append(thread)

    def terminate\_thread(self,Id):

       current = self.head

       previous = None

       while current:

            if current.id == Id:

                break

            previous = current

            current = current.next

    def thread\_command(self):

        i = 0

        while True:

            thread\_id = input(f'Enter thread ID for thread {i+1}: ')

            name = input(f'Enter thread name for thread {i+1}: ')

            entry\_point = input(f'Enter entry point for thread {i+1}: ')

            self.create\_thread(name, thread\_id, entry\_point)

            i += 1

until now I do this :

Node Class: This class represents a node in the linked list and contains attributes such as id, name, currentState, and next. Each node represents a thread and holds information about its ID, name, and current state.

Linked List Class: This class manages the threads using a linked list structure. It has methods to check if the list is empty, append new threads to the list, delete threads by ID, and print the list of threads. Additionally, it includes a method, creatThread, to create and append a new thread to the linked list based on the provided name, ID, and entry point function.

Thread Class: This class extends the threading.Thread class and represents an individual thread. It has attributes for thread\_name, thread\_ID, and entry\_point, which store the name, ID, and entry point function for the thread, respectively. The run method is overridden to execute the thread's entry point function when the thread is started.