What is the difference between stack memory and heap memory? How is heap memory accessed? Why is heap memory necessary? Write a small program wherein you use and release heap memory along with your response.

Stack memory is where the main starts and when “new” things are created, it is allocating memory on the heap for it. Heap memory is when you declare a variable as new with pointers. Heap memory is accessed by calling it like any other variable. Heap memory is necessary because stack can’t do everything.