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Roll No: 190

Subject: AI(Lab)

Semester: 3

Task: #1

Topic: **To-do List (Dynamic)**

**Working:**

First I create a “tasks” veriable and assign it an empty list for adding tasks. Then “total\_task” variable take input from user in integer format. For loop takes input from the user from 1 to the number of inputs he gave in “total\_task” variable + 1. Because for loop starts from 0 to the range but in this case we start from 1 to the range of number +1 . The loop append the task name after each iteration of loop in the “tasks” variable created first. Then all tasks are printed on the screen. A while loop is used here to add, update, delete and exit the to-do list app. In while loop variable “operation” is created to take inputs from the user in integer format to perform certain operations. In operation ==1 a variable “add” is created for adding a new task in tasks list. After adding the task has successfully added has printed. In operation == 2 a variable “updated\_val” is created to ask from the user which task the user want to update. In operation ==2 an if condition is used to check if the task already exit in tasks list. If the task exits the new added task is placed in the index of the previous task. In operation == 3 a “del\_val” variable is created to ask from the user which task he want to delete. An if condition in operation==3 is used to check if the task user enter is already in the tasks list. If it exits it delete it and print the result with the deleted task name. In operation == 4 a list of total tasks are printed. In operation== 5 if the user enter 5 it will break the while loop and print “Closing the program”