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**Section : 3A**

**Subject : Artificial Intelligence**

**Documentation of Task 1**

**“TO DO LIST”**

**Print Function :** I use print function for display the Menu of my Project for comfortance of user.

**Empty List :** Then, i create an empty list (My\_todo\_list = []) in which later i store what I want to do.

**While Loop :** And then, i use while loop for running the program and i take **(Run = True)** this means that program run at that time till i **False or Exit** the program. Then, i take **Input** of **Choice** that what the user want to do (Add, Update, Delete or Exit) through **While loop and While loop** works here that it takes **Input** from the user continuously till user ask to **Exit** the program.

**Add in To-do List :** Then, i use condition that if **User** **Choice**  is **“A”**  then program takes **Input** from the user of New-todo and lower() use bcz the user **add new todo** in either big or small letters **lower()** keyword converts it into **lower case** and not give the errorin any of 2 cases (small or big letters). And after this i add the user’s new todo in empty list.

**Update in To-do List :** Then i use 2nd condition that if **User’s choice** is  **“U”**  then Firstly, I take Surity from the user that surely you can update that todo and if User’s choice is “Yes” then the program asked to the user for new name of To-do. Then i update that To-do in the empty list by **Index method of list.** I use Error handling also for handel the error according to me.

**Delete in To-do List :** And then, i use 3rd condition that if **User’s choice** is **“D”** then Firstly, I take Surity from the user that surely you can delete that todo and if User’s choice is “Yes” then, i delete that To-do from the empty list by **Delete method.** I use Error handling also for handel the error according to me.

**Exit from To-do :** Firstly, program takes assurity from the user and if **User’s choice** is **“Yes”** then i **False** the Run Loop. And program ends here.

**“ ” Choice:** If User enter empty choice (“ ”) then program tell the user that you should enter something otherwise program tell that Invalid choice. And in the last if User’s choice does’nt match from all these choices than program print (Invalid input. plz enter valid input).

**Output :**

