K.R. Mangalam University
School of Engineering & Technology

Course Code: ETCCCP105

Course Name: Computer Science Fundamentals & Career Pathways

Programme: B.Tech CSE (Specialization in AI & ML)

Semester: 1

Assignment No.: 04

Domain : AI/ML

Aim : AI researcher or AI developer

Submitted To: Mr. Aryan sharma

Submitted
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My name is Sonam Yadav, and I'm from KR Mangalam University, CSE (AI & ML), Section B. I've always enjoyed coding and creating things that feel useful and meaningful. For my career pathway project, I decided to build a To-Do List application. I chose it because it's something everyone uses, and I wanted to make my own version with a simple, personal touch. Working on it helped me understand how coding, design, and creativity come together to solve everyday problems. I like experimenting with ideas, and this project felt like a good way to express what I enjoy about tech. Overall, it reflects who I am—curious, creative, and excited about building things that actually help people.

PYTHON CODE FOR TO DO LIST-

```
def display_tasks(tasks):
print("\n--- Your To-Do List ---")
if not tasks:
print("No tasks added")
return

for i, task in enumerate(tasks, start=1):
if task["done"]:
# Strikethrough using ANSI escape + Unicode combining char
print(f"{i}. \u0336".join(task["text"]) + "\u0336")
else:
print(f"{i}. {task['text']}")
print("----------------------\n")
```

```
def main():
tasks = []
```

```
while True:
print("1. Add Task")
print("2. Mark Task as Done")
print("3. View Tasks")
print("4. Exit")
```

```
choice = input("Enter your choice: ")
```

```
# Add a task
if choice == "1":
```

```
text = input("Enter task: ")
tasks.append({"text": text, "done": False})
print("Task added!\n")
```

```
# Mark task as completed
elif choice == "2":
display_tasks(tasks)
if not tasks:
continue
```

```
try:
task_no = int(input("Enter task number to mark as done: "))
if 1 <= task_no <= len(tasks):
tasks[task_no - 1]["done"] = True
print("Task marked as completed!\n")
else:
print("Invalid task number.\n")
except ValueError:
print("Enter a valid number.\n")
```

```
# View tasks
elif choice == "3":
display_tasks(tasks)
```

```
# Exit program
elif choice == "4":
print("Goodbye!")
break
```

```
else:
print("Invalid choice, try again.\n")
```

```
if __name__ == "__main__":
main()
```

OUTPUT SCREENSHOTS-

1) Right after running the code

AS you can see we can ADD a task by clicking 1 or mark a task as done and even view which task are left

So what I am going to do is add 3 task
1) Exercise for 50 mins
2) Eat lunch
3) Study Career pathways

Then we will view all the task which I have to do and then mark each task done after completing it

2) Adding all the tasks
By pressing 1 I am able to add tasks

Now we will click on enter and then add all 3 tasks

```
Enter your choice:  1
Enter task:  Exercise for 50 mins
Task added!

1. Add Task
2. Mark Task as Done
3. View Tasks
4. Exit
Enter your choice:  1
Enter task:  Eat lunch
Task added!

1. Add Task
2. Mark Task as Done
3. View Tasks
4. Exit
Enter your choice:  Study
```

This screen shot shows all the tasks were added successfully now I will check if they are added correctly or not by clicking on 3 view task option

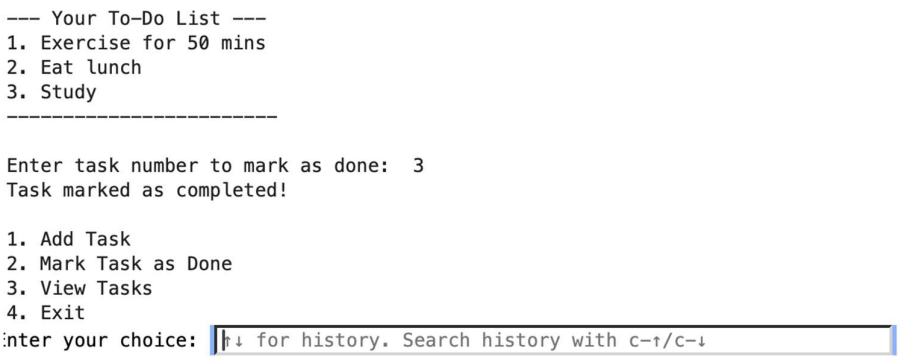
```
1. Add Task
2. Mark Task as Done
3. View Tasks
4. Exit
Enter your choice:  3

--- Your To-Do List ---
1. Exercise for 50 mins
2. Eat lunch
3. Study
------------------------
```

As you can see all the tasks are showing

3) Now I have completed all the task I will click 2 mark Task as done and will see if the task gets marked done or not

As soon as I clicked 2 and entered it shows the to do list as well as asking to enter task number to mark as done so in this case I have Done my studying part as I love to study



It now shows the task is now marked complete and we can check it by clicking on 3 that help us to view all are tasks

```
1. Add Task
2. Mark Task as Done
3. View Tasks
4. Exit
Enter your choice:  3

--- Your To-Do List ---
1. Exercise for 50 mins
2. Eat lunch
S3.-t3.-u3.-d3.-y
------------------------
```

As you can see only 2 tasks are now showing