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| **SCHOOL OF COMPUTER SCIENCE AND ARTIFICIAL INTELLIGENCE** | | | | | **DEPARTMENT OF COMPUTER SCIENCE ENGINEERING** | | | | |
| **ProgramName:**B. Tech | | | | **SET-C** | | | **AcademicYear:**2025-2026 | | |
| **Roll No.** | | | |  | | | | | |
| **Instructor(s)Name** | | | | 1. Dr. Venkataramana 2. Dr. Ch. Sridhar 3. Mr. Kundan Kumar | | | | | |
| **CourseCode** | | | 24CS002PC215 | **CourseTitle** | | AI Assisted Coding | | | |
| **Year/Sem** | | | II/I | **Regulation** | | R24 | | | |
| **Date and Day**  **of Assignment** | | | 22.08.2025 | **Time(s)** | | 01.00PM To 03.00PM | | | |
| **Duration** | | | 2 Hours | **Applicableto**  **Batches** | | 24BTCAIAIB09, 24BTCAIAIB10 | | | |
| **Lab Test :1**(Present test number)/**4**(Total number of tests) | | | | | | | | | |
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|  | **Q.No.** | **Question** | | | | | | ***ExpectedTime***  ***to complete*** |  |
|  | 1 | **Task Description#1**   * Write python program for a **SRU\_Student class** with attributes like Name, Roll No, and Department. And, add a method **Student\_Data** that helps to store details of student as a text document. Use VS Code with GitHub Copilot   **Promt**: write a python code for a SRU\_Student class which take the input of the student name,Roll No and Department . add this data into student\_Data and give the output.  Expected Output#1   * **SRU\_Student class initialization** * **Student\_Data** * **Text Document having student data**   CODE: class SRU\_Student:      def \_\_init\_\_(self, name, roll\_no, department):          self.name = name          self.roll\_no = roll\_no          self.department = department      def Student\_Data(self, filename="student\_data.txt"):          with open(filename, "a") as file:              file.write(f"Name: {self.name}, Roll No: {self.roll\_no}, Department: {self.department}\n")          print("Student data saved to", filename)  if \_\_name\_\_ == "\_\_main\_\_":      print("SRU\_Student class initialization")      while True:          name = input("Enter student name: ")          roll\_no = input("Enter roll number: ")          department = input("Enter department: ")          student = SRU\_Student(name, roll\_no, department)          print("Student\_Data")          student.Student\_Data()          cont = input("Add another student? (y/n): ")          if cont.lower() != 'y':              break    **Task Description#2**     * Write a python function to return sum of even and odd numbers from the given list   **Promt :**   * Write a python function to return sum of even and odd numbers from the given list   **Code:** **def sum\_even\_odd(numbers):**  **even\_sum = sum(num for num in numbers if num % 2 == 0)**  **odd\_sum = sum(num for num in numbers if num % 2 != 0)**  **return even\_sum, odd\_sum**  **# Ask user for input**  **user\_input = input("Enter integers separated by spaces: ")**  **numbers = list(map(int, user\_input.split()))**  **even\_sum, odd\_sum = sum\_even\_odd(numbers)**  **print(f"Sum of even numbers: {even\_sum}")**  **print(f"Sum of odd numbers: {odd\_sum}")**    **Expected Output#2**   * Function * Output execution   **Note: Report should be submitted a word document for all tasks in a single document with prompts, comments & code explanation, and output screenshots**  **Evaluation Criteria:**   | **Criteria** | **Max Marks** | | --- | --- | | Factorial Function (Task#1) | 5 | | Sorting Function (Task#2) | 5 | | Viva | 5 | | **Total** | **15 Marks** | | | | | | | 22.08.2025 03.00PM |  |