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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     **Expected Output#1**   * **SRU\_Student class initialization** * **Student\_Data** * **Text Document having student data**   **PROMPT: Generate a 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. My Expected Outputs are SRU\_Student class initialization, Student\_Data and Text Document having student data**  **CODE :**  89a2475db4764328a2ea34a6487d2301.png  **OUTPUT:**  6b7f1284e14fc3e1f47147fd6e93e05d.png  **text document:**  88220e0c56876bc845816aba46209b61.png  6d956fb7a47c8beffd11e4ec92efd09e.png  **EXPLANATION:**  **The program defines a class SRU\_Student with attributes name, roll\_no, and department.**   * **The constructor (\_\_init\_\_) initializes these values when a student object is created.** * **The method Student\_Data saves the student details into a text file (student\_data.txt) and also prints the same details on the console.** * **In the example usage, a student object (student) is created with sample details. When Student\_Data() is called, the details are both displayed and stored in the text file.**         **Task Description#2**     * Write a python function to return sum of even and odd numbers from the given list     **Expected Output#2**   * Function * Output execution   PROMPT: **Generate a python function to return sum of even and odd numbers from the given list and also call that function. My expected outputs are a function and output execution**  **CODE:**  d2cbc515b38bc7d8a9b74a290fddb93a.png  **OUTPUT:**  f3229e42d1d04ce682f8e624b8c91c17.png    EXPLANATION:  The program defines a function **sum\_even\_odd** that is used to find the total of even and odd numbers from a given list. Inside the function, two variables even\_sum and odd\_sum are initialized to zero. The program then loops through each element in the list and checks whether the number is even or odd. If the number is even, it is added to even\_sum; if it is odd, it is added to odd\_sum.  After completing the loop, the function returns both sums. The returned values are then printed to the console, clearly showing the separate totals of even and odd numbers. This program is a simple example of how functions, loops, and conditions can be used together to process data and produce meaningful results.      **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:** | | | | | | 22.08.2025 03.00PM |  |