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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.** | | | | 2403a52241 | | | | | |
| **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) | | | | | | | | | |
|  | | | | | | | | | |
|  | **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:-  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. Code:- class SRU\_Student:      def \_\_init\_\_(self, name, roll\_no, department):          self.name = name          self.roll\_no = roll\_no          self.department = department      def get\_details(self):          return {              'Name': self.name,              'Roll No': self.roll\_no,              'Department': self.department          }  student\_Data = []  # Taking input from user  name = input("Enter student name: ")  roll\_no = input("Enter Roll No: ")  department = input("Enter Department: ")  # Creating SRU\_Student object and adding to student\_Data  student = SRU\_Student(name, roll\_no, department)  student\_Data.append(student.get\_details())  # Output the student data  print("Student Data:")  for data in student\_Data:      print(data) Output:-   **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:- write a python program that can take the inputs and find the sum of even and odd from the given data .the output should be show the sum of odd and even numbers Code:- # Program to find the sum of even and odd numbers from user input  # Take input from the user  numbers = input("Enter numbers separated by spaces: ").split()  # Convert input strings to integers  numbers = [int(num) for num in numbers]  even\_sum = 0  odd\_sum = 0  for num in numbers:      if num % 2 == 0:          even\_sum += num      else:          odd\_sum += num  print("Sum of even numbers:", even\_sum)  print("Sum of odd numbers:", odd\_sum) Output:- **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 |  |