

SCHOOL OF COMPUTER SCIENCE AND ARTIFICIAL INTELLIGENCE		DEPARTMENT OF COMPUTER SCIENCE ENGINEERING											
ProgramName: B. Tech		SET-A	AcademicYear:2025-2026										
Roll No.													
Instructor(s)Name		1. Dr. Venkataramana 2. Dr. Ch. Sridhar 3. Mr. Kundan											
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	Applicable to Batches	24BTCAIAIB09, 24BTCAIAIB10										
Lab Test :1 (Present test number)/4 (Total number of tests)													
Q.No.	Question		Expected Time to complete										
1	<p>Task Description#1</p> <ul style="list-style-type: none"> Write Python function with the help of GitHub Copilot and VS Code to classify the people based on Age Group. And explain the code with required comments <table border="1"> <thead> <tr> <th>Age Range</th> <th>Age Group</th> </tr> </thead> <tbody> <tr> <td>0 – 12 years</td> <td>Child</td> </tr> <tr> <td>13 – 19 years</td> <td>Teen</td> </tr> <tr> <td>20 – 59 years</td> <td>Adult</td> </tr> <tr> <td>60 years & above</td> <td>Senior</td> </tr> </tbody> </table> <p>Expected Output#4</p> <ul style="list-style-type: none"> Age_Classifies function <p>PROMPT : write a python function that classify people based on their age group with user value. CODE:</p>		Age Range	Age Group	0 – 12 years	Child	13 – 19 years	Teen	20 – 59 years	Adult	60 years & above	Senior	22.08.2025 03.00PM
Age Range	Age Group												
0 – 12 years	Child												
13 – 19 years	Teen												
20 – 59 years	Adult												
60 years & above	Senior												

LAB TEST-1 > TASK1.py > ...

```
1 def classify_age_group():
2     try:
3         age = int(input("Enter your age: "))
4         if age < 0:
5             print("Invalid age.")
6         elif age < 13:
7             print("You are a Child.")
8         elif age < 20:
9             print("You are a Teenager.")
10        elif age < 60:
11            print("You are an Adult.")
12        else:
13            print("You are a Senior Citizen.")
14    except ValueError:
15        print("Please enter a valid number.")
16
17 # Example usage
18 classify_age_group()
```

OUTPUT:

```
PS C:\Users\DEEKSHA\OneDrive\Desktop\AIAC> & C:\Users\DEEKSHA\OneDrive\Desktop\AIAC\LAB TEST-1\TEST
Enter your age: 10
You are a Child.
PS C:\Users\DEEKSHA\OneDrive\Desktop\AIAC> & C:\Users\DEEKSHA\OneDrive\Desktop\AIAC\LAB TEST-1\TEST
Enter your age: 18
You are a Teenager.
PS C:\Users\DEEKSHA\OneDrive\Desktop\AIAC> & C:\Users\DEEKSHA\OneDrive\Desktop\AIAC\LAB TEST-1\TEST
Enter your age: & C:/Users/DEEKSHA/AppData/Local/OneDrive/OneDrive.exe
Please enter a valid number.
PS C:\Users\DEEKSHA\OneDrive\Desktop\AIAC> & C:\Users\DEEKSHA\OneDrive\Desktop\AIAC\LAB TEST-1\TEST
Enter your age: & C:/Users/DEEKSHA/AppData/Local/OneDrive/OneDrive.exe
Please enter a valid number.
PS C:\Users\DEEKSHA\OneDrive\Desktop\AIAC> & C:\Users\DEEKSHA\OneDrive\Desktop\AIAC\LAB TEST-1\TEST
Enter your age: & C:/Users/DEEKSHA/AppData/Local/OneDrive/OneDrive.exe
Please enter a valid number.
PS C:\Users\DEEKSHA\OneDrive\Desktop\AIAC> & C:\Users\DEEKSHA\OneDrive\Desktop\AIAC\LAB TEST-1\TEST
Enter your age: 75
You are a Senior Citizen.
```

EXPLANATION: The code was generated by using def function in that if-else statements. to provide the code by copilot its says about the people based on their age.

Task Description#2

- Write Python program in cursor AI for **student class** with attributes like Name, Roll no, Marks and also construct a method i.e., **display_details** to display name, rollno and marks

Expected Output#5

- Student Class and Display Details

PROMPT : write a python function that student class with attributes(name,roll no,marks) and also construct method with user values.

```
LAB TEST-1 > task2.py > ...
1 class Student:
2     def __init__(self, name, roll_no, marks):
3         self.name = name
4         self.roll_no = roll_no
5         self.marks = marks
6
7     def __str__(self):
8         return f"Name: {self.name}, Roll No: {self.roll_no}, Marks: {self.marks}"
9
10 # Example usage:
11 name = input("Enter student name: ")
12 roll_no = input("Enter roll number: ")
13 marks = float(input("Enter marks: "))
14 student = Student(name, roll_no, marks)
15 print(student)
16
```

OUTPUT:

```
rive/Desktop/AIAC/LAB TEST-1/task2.py"
Enter student name: anju
Enter roll number: 04
Enter marks: 95
Name: anju, Roll No: 04, Marks: 95.0
```

EXPLANATION:

The code was done by using the class function in that def function which to know the student class with marks, name and roll no.and this code was generated by cursor AI.

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