



AI INSTITUTE
OF PAKISTAN



Business

Artificial Intelligence

This assignment is an essential part of your learning journey. Completing it will help reinforce your understanding of the concepts covered in the course. Please ensure you submit your assignment by Wednesday, June 04, 2025, before 6 PM.

Assignment - 4

June 04, 2025

Good luck, and happy learning!

AI for Everyone – Assignment

Assignment Questions

1. Understanding Conditional Statements

- What is the purpose of if-else statements in Python?
- Explain the difference between if, elif, and else with an example.

2. Practical Coding Tasks

- Write a Python program to check if a number is positive, negative, or zero.
- Create a Python program that takes an exam score as input and prints the corresponding grade based on the following criteria:

90 - 100	→ A
80 - 89	→ B
70 - 79	→ C
60 - 69	→ D
Below 60	→ F

- Write a program that asks the user to enter their age and determines whether they are eligible to vote (18 years or older).

3. Real-World Problem Solving

- A taxi company charges a base fare of \$5. If the total distance traveled is more than 10 km, an additional charge of \$1 per km applies. Write a Python program to calculate the total fare based on the distance input by the user.
- A company gives a performance-based salary bonus. If an employee has completed more than 3 years of service, they get a 7% bonus on their salary; otherwise, no bonus is given. Write a program to calculate the total salary after applying the bonus.

4. Logical Thinking & Code Correction

- The following Python code contains an error. Identify and fix it:

Python

```
num = input("Enter a number: ")
if num % 2 == 0:
    print("Even number")
else:
    print("Odd number")
```

- What will be the output of the following code? Explain your answer.

Python

```
x = 10
if x > 5:
    print("Greater than 5")
if x > 8:
    print("Greater than 8")
if x > 12:
    print("Greater than 12")
```

5. Questions from the Lecture

- Write down any questions that came to your mind during the lecture.
- If you discussed them with your mentor, include their response.

How to Complete the Assignment

Step 1: Watch the Lecture and Take Notes

- Watch Lecture carefully and write down key points.
- If anything is unclear, make a note so you can ask your mentor later.

Step 2: Research and Find Case Studies

- Search on Google & YouTube to explore today's lecture topic in more detail.
- Ask AI tools like ChatGPT, etc. for better understanding.
- Analyze case studies or examples related to the topic.
- Write what you learned from your research in the assignment.

Step 3: Asking Questions

- If you have any questions related to Lecture, feel free to ask your mentor for clarification.
- If something is unclear or confusing, don't hesitate to ask – even if it takes multiple times. Keep asking until you fully understand.
- Your mentor will support you in understanding the topic.
- You can contact your mentor via email. The email address is available on the LMS.

Step 4: Write and Submit the Assignment

- You can use any of the following tools to write your assignment: MS Word, Canva, Google Docs, Notepad, etc
- If there is any practical task given, make sure to complete it and attach relevant screenshots in your assignment. This is mandatory.

How to Submit:

- Log in to the LMS and click on the "Submit Assignment" button.
- Upload your file.
- You can submit in any format (PDF, Word, or others).

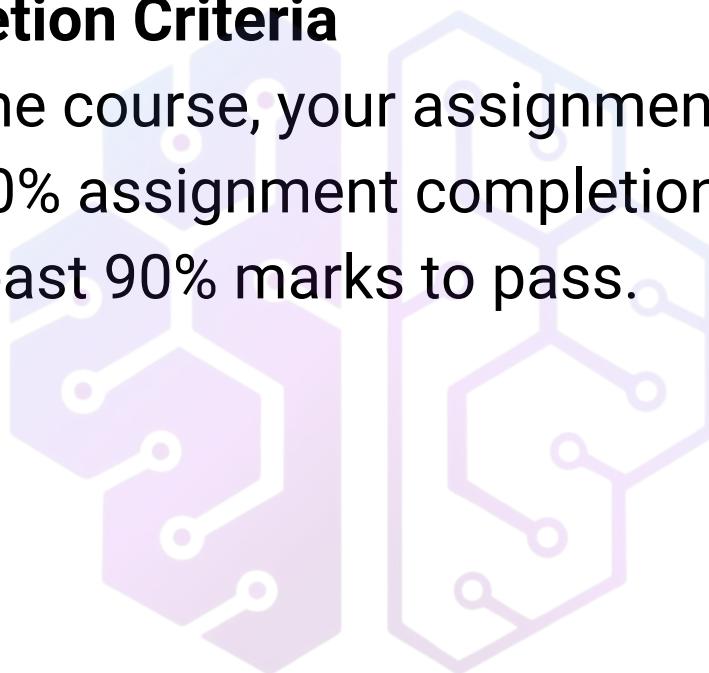
Make sure to include the following details in your assignment:
Your full name, Course name, Your LMS username

Step 5: Submission Deadline

- Last Date: Wednesday, June 04, 2025, before 6 PM

Assignment Completion Criteria

- After completing the course, your assignment results will be shared with you. 100% assignment completion is mandatory, and you must score at least 90% marks to pass.



AI INSTITUTE
O F P A K I S T A N