

AI = ML + Rules + Decision + Automation

Ab AI me focus hota hai:

- **Input lena**
 - **Decision banana**
 - **User ko output dena**
 - **Thoda “intelligent behavior” dikhana**
-

EXPLANATION

- **if-else logic**
- **conditions**
- **decision making**

★ **Example:**

```
marks = int(input("Enter marks: "))
```

```
if marks >= 90:  
    print("Grade A")  
elif marks >= 60:  
    print("Grade B")  
else:  
    print("Grade C")
```

☞ **Ye simple AI behavior hai (decision making).**

✓ **Step 2: ML Model ko AI Program banana**

Ab tumhare ML model ko:

★ **Example:**

```
age = int(input("Enter age: "))  
salary = int(input("Enter salary: "))  
  
result = model.predict([[age, 1, salary]])  
print("Prediction:", result)
```

☞ **Ab ye AI system ban gaya.**

✓ **Step 3: Basic AI Applications banana (VERY IMPORTANT)**

Tumhe kam se kam 3 simple AI programs banana chahiye:

◆ *Program 1: Student Performance AI*

- **Input:** study hours
- **Output:** marks (ML model)

◆ *Program 2: Purchase Prediction AI*

- **Input:** age, salary
- **Output:** yes/no

◆ *Program 3: Rule-Based Chatbot*

- **if-else based replies**

✦ **Example:**

```
msg = input("You: ")

if "hello" in msg.lower():
    print("Bot: Hello! How can I help?")
elif "bye" in msg.lower():
    print("Bot: Goodbye!")
else:
    print("Bot: I am learning...")
```

✓ **Step 4: Mini AI Project (MOST IMPORTANT)**

📄 *Recommended Mini Project:*

Student Marks Prediction AI

Flow:

User Input → Preprocessing → ML Model → Prediction → Output

- Python**
- Pandas**
- ML mode**
- User input**