

Important Note: Please submit your assignment via GitHub

Step 1: Create a Repository on GitHub

Step 2: Upload Your Code from Your Computer

Step 3: Copy the Repository Link

Step 4: Send the Link via Email : learn.inceptionbd@gmail.com

Gmail Format:-

Compose a new email with the following details:

To: learn.inceptionbd@gmail.com

Subject: FSDS with Gen AI Assignment-1 Submission

Body:

Hello, Please find my assignment submission at the following GitHub repository link.

Name: Md. Ridoy Hossain

Student ID: 2AE89DFB

Repository Link: <https://github.com/inceptionbd/Computer-Vision>

Best Regards

Md. Ridoy Hossain

The image displays two screenshots of the Inception BD platform interface.

Top Screenshot: Shows a course page titled "Job-Ready Full Stack Data Science with Generative AI Bootcamp 1.0 in Bangla". The user profile dropdown in the top right corner is highlighted with a red arrow, showing options for "Profile" and "Logout".

Bottom Screenshot: Shows the "Instructor Profile Details" page for Md. Ridoy Hossain. The profile card is highlighted with a red box, and a red arrow points to it from the left. The profile details include:

- Full Name: Md. Ridoy Hossain
- Email: learn.inceptionbd@gmail.com
- Mobile Number: 0196517****
- Role: instructor
- Created At: 9/20/2021, 12:57:57 AM
- Job Title: Robotics Engineer and Mentor
- Experience: Founder & CEO of Inception BD and Engineer at AffGods R&D (Mosques Russia), with previous experience at Itle, VIVO, Samsung, Xiaomi, Inone Group, and Robolife Technologies.

Assignment 1: Temperature Check

Problem:

Write a program that takes the current temperature as input and prints:

- "It's too cold!" if below 10°C
 - "It's cool outside" if between 10°C and 25°C
 - "It's hot outside!" if above 25°C
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Assignment 2: ATM Withdrawal System

Problem:

Ask the user for their account balance and the amount they want to withdraw.

- If the withdrawal amount is greater than the balance → print "Insufficient Balance"
 - If the withdrawal amount is less than or equal to balance → print "Transaction Successful" and show the remaining balance.
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Assignment 3: Student Grade Calculator

Problem:

Input marks (0–100) and print grade based on:

- 90–100 → A+
 - 80–89 → A
 - 70–79 → B
 - 60–69 → C
 - Below 60 → Fail
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Assignment 4: Bus Ticket Discount

Problem:

Ask the user for age and print ticket price:

- Below 5 → Free
 - 5–18 → 50% Discount
 - 60 or above → 30% Discount
 - Others → Full Price
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Assignment 5: Restaurant Bill with Discount

Problem:

Take total bill amount from the user:

- If the bill is above 1000 → apply 10% discount
 - Otherwise → no discount
Then print the final bill amount.
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Assignment 6: Login Authentication

Problem:

Take a username and password input.

- If username == "admin" and password == "12345" → print "Login Successful"
 - Else → print "Invalid Credentials"
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Assignment 7: Traffic Light System

Problem:

Ask the user to input a color (`red`, `yellow`, or `green`).

Print:

- `"Stop"` for red
 - `"Ready to go"` for yellow
 - `"Go"` for green
 - `"Invalid color"` otherwise
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Assignment 8: Leap Year Checker

Problem:

Take a year as input and check:

- If it is divisible by 400 → Leap Year
 - Else if divisible by 4 but not by 100 → Leap Year
 - Otherwise → Not a Leap Year
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Assignment 9: Job Eligibility Checker

Problem:

Input age and qualification.

- If age ≥ 18 and qualification is "graduate" → print `"Eligible for Job"`
 - Else → `"Not Eligible"`
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Assignment 10: Electricity Bill Calculator

Problem:

Input number of units consumed and calculate bill:

- Up to 100 units → 5 BDT per unit
 - 101–200 units → 7 BDT per unit
 - Above 200 units → 10 BDT per unit
- Print total payable amount.
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