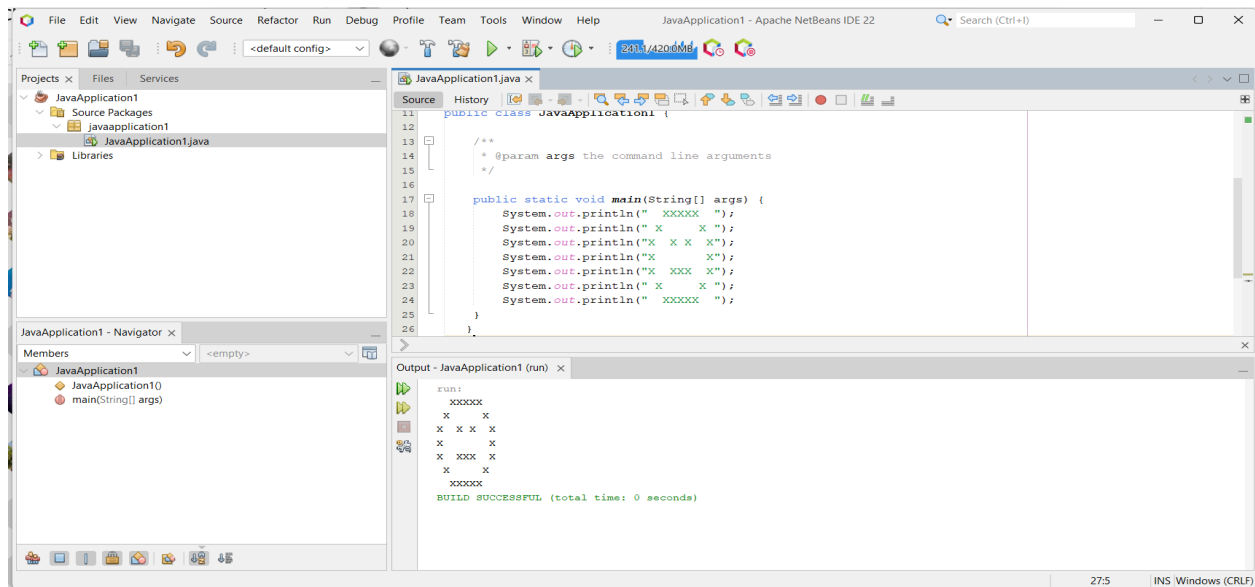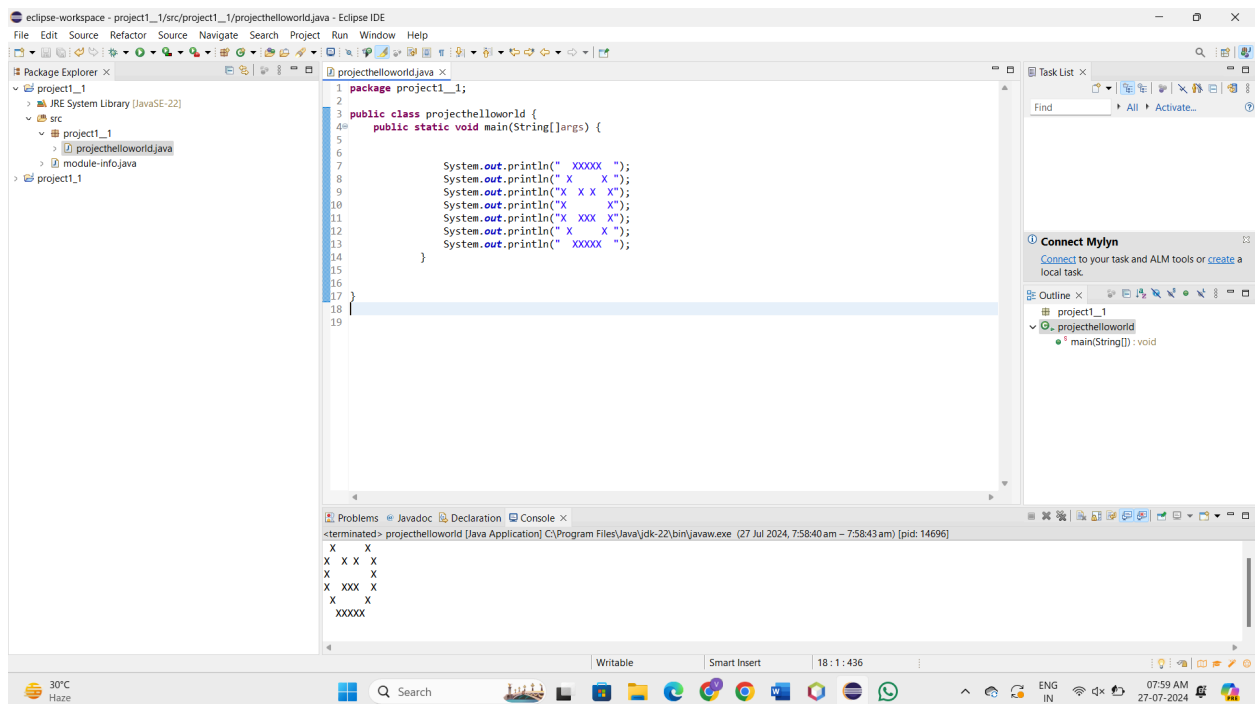# PROJECT-2

Problem 1: Simple ASCII Art
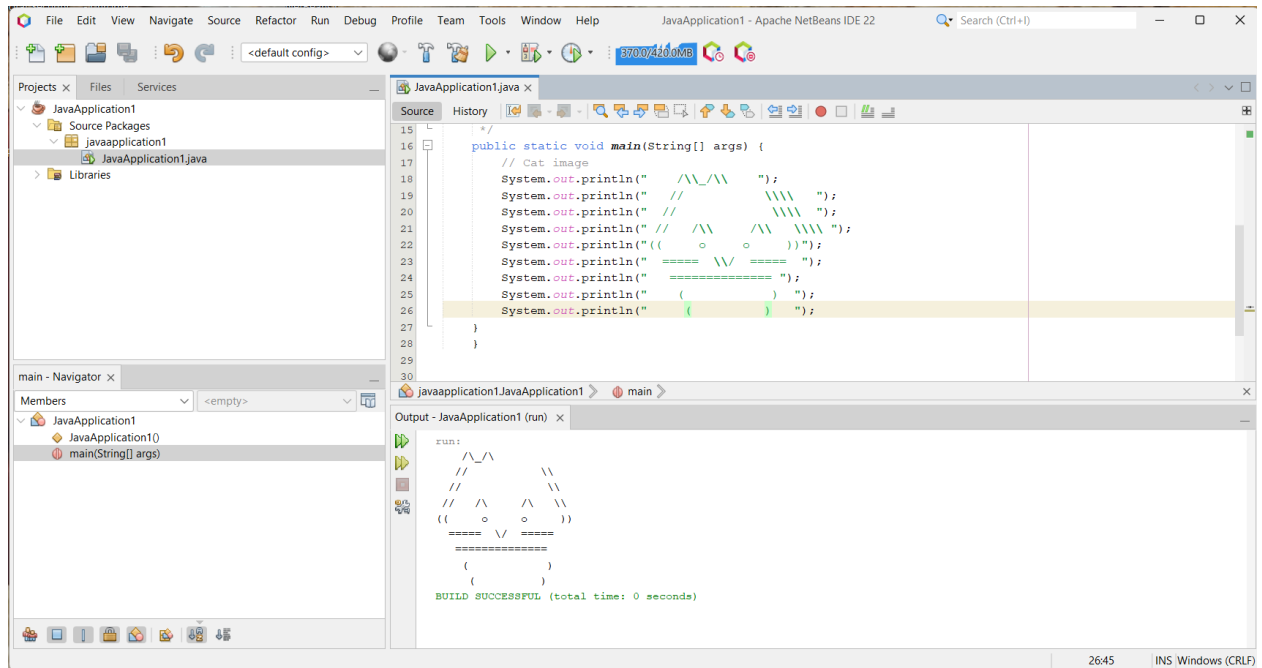
IN NETBEANS:
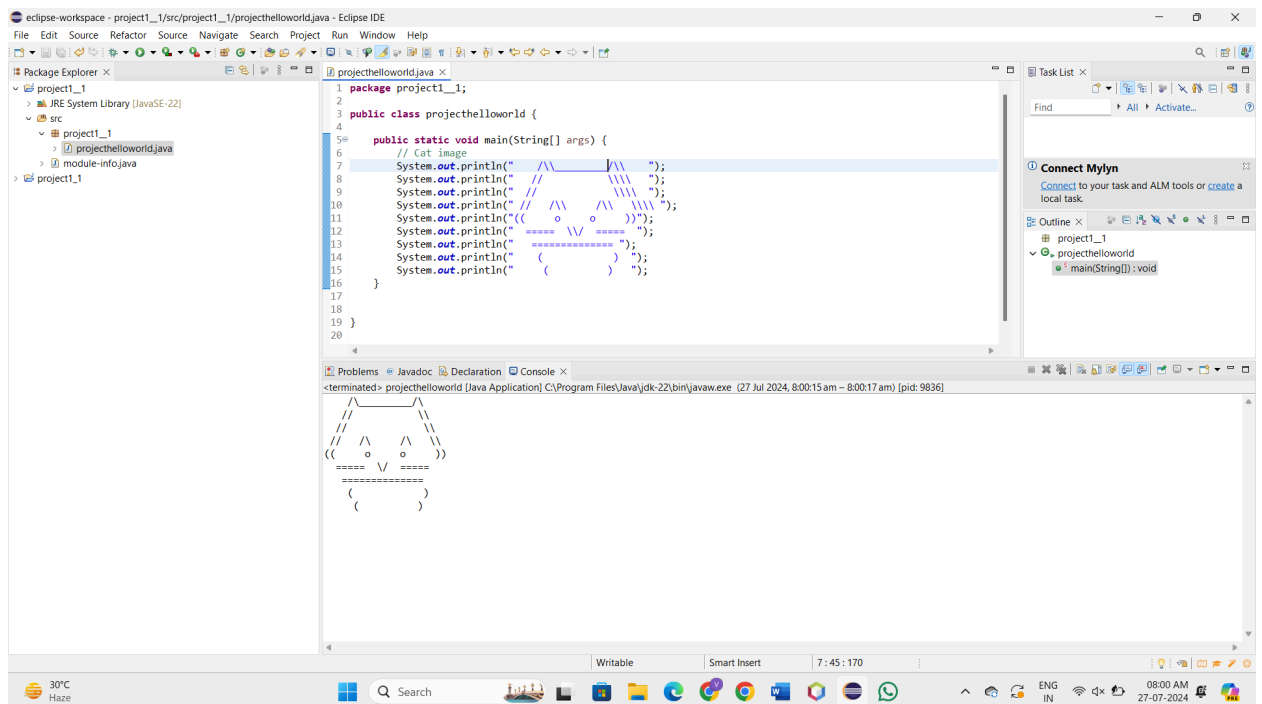

IN ECLIPSE:

Problem 2: Original ASCII Art

IN NETBEANS:

IN ECLIPSE:

Problem 3: The Snake Box Factory

Snake Box Factory Software Design

1. Object: SnakeBox
Properties:

Dimensions: The size of the box, typically including length, width, and height.
MaterialQuality: The quality of the cardboard used to make the box.
SnakeType: The specific type of snake that will be placed inside the box.

Behaviors:
CalculateBoxVolume(): Computes the volume of the box based on its dimensions.
CheckMaterialQuality(): Assesses the quality of the cardboard to ensure it meets standards.
AssignSnakeType(SnakeType type): Assigns a specific snake type to the box and adjusts any related settings**.**

2. Object: Snake

Properties:
Species: The species of the snake.
Size: The size of the snake, which may influence the size of the box required.
HealthStatus: The current health status of the snake.

Behaviors:
ChangeHealthStatus(String status): Updates the health status of the snake.
Grow(Size newSize): Adjusts the size attribute of the snake as it grows.

GenerateReport(): Creates a report on the snake's current health and characteristics.

3. Object: Order

Properties:
OrderID: A unique identifier for each order.

CustomerDetails: Information about the customer placing the order, such as name and address**.**

OrderStatus: The current status of the order (e.g., Processing, Shipped, Delivered).

Behaviors:
UpdateOrderStatus(String newStatus): Changes the status of the order to reflect its current state.

GenerateInvoice(): Creates an invoice based on the details of the order.

TrackShipment(): Provides tracking information for the shipment of the order.

Problem 2: Original ASCII Art