

# Assignment 7

Q1. Explain Scratch extension into a project.

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## How to Add an Extension:

1. Open Scratch and create a new project.
2. Click the **Extensions** button (a small blue "+" sign).
3. Choose an extension (like "LEGO Mindstorms" or "Video Sensing").
4. Use the new blocks that appear in your **Blocks Palette** to add special features to your project.

## Examples of Extensions:

1. **LEGO Mindstorms:** Control LEGO robots.
2. **Video Sensing:** Detect motion with a webcam.
3. **Text-to-Speech:** Make the computer speak.
4. **Pen:** Draw on the screen with blocks.

Q2. Investigate the use of Scratch for social impact (civic engagement, environmental awareness, social justice).

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## 1. Civic Engagement

- **Educating about Voting:** Use Scratch to create games or stories that teach how voting works and why it's important.
- **Community Awareness:** Make projects that highlight local issues, like homelessness or healthcare, and how people can help.

## 2. Environmental Awareness

- **Climate Change:** Create animations or games that show the effects of climate change and how to protect the environment.

- **Recycling:** Make interactive projects that teach kids how to recycle or reduce waste.
- **Animal Protection:** Create stories or games about saving endangered species or protecting wildlife.

### 3. Social Justice

- **Equality and Fairness:** Use Scratch to share stories about human rights, like racial equality or gender rights.
- **Refugee Awareness:** Make projects that tell the stories of refugees and how we can support them.
- **Inclusion:** Create projects that promote kindness and understanding for people with disabilities or from different backgrounds.

#### Examples:

- **A Game about Recycling:** Players sort trash to help clean the environment.
- **Story of a Civil Rights Leader:** Share a short story about important figures in history, like Martin Luther King Jr.
- **Empathy Game:** Teach kids how to be kind and understand others' feelings.

#### Why Scratch is Great for Social Impact:

- It's easy to use, so kids and young people can create projects that share important messages.
- It helps them learn about big issues in a fun, interactive way, and also encourages creativity and problem-solving.