1. Introduction of Photoshop

Photoshop is a photo-editing software. It is a popular image changing software package. It was developed in 1987 by the American brothers Thomas and John Knoll. There are two types of graphic software – Vector Graphic and Raster Graphic.

This software provides many image editing features for raster (pixel-based) images as well as vector graphics. In technical language, Photoshop is a RASTER graphic software, which means it is used to edit the raster graphics.

Photoshop is a tool for designers, web developers, graphic artists, photographers, and creative professionals. It is widely used in industries. Web Designer uses photoshop first to make a logo for website. Application Designer also uses photoshop first to create User Interface for his application.

Advantages :

- It is a wonderful program with no limit.
- It can make artwork beautifully.
- It is greatly used in making presentations and making creative projects.

Disadvantages :

- It is hard for beginners to use.
- it is not free.
- It has slower processing speed due to large size.
- It is less efficient in memory usage.

2. What is Layouting?

Layouting is the process of arranging visual elements text, images, shapes, icons—on a page or screen to communicate a message clearly and attractively. It's used in:

- Print design (posters, magazines, brochures)
- Web and app design
- Social media graphics
- Presentations, flyers, packaging, etc.

3.When use of Photoshop For Layouting

Common use:

 Posters and flyers

Album covers

Web banners

Social media graphics

UI mockups (though Figma/Adobe XD are now more popular for UI)

Key Features for Layouting in Photoshop:

- **Layers & Layer Groups** – for organizing your design elements
- **Text Tool** – for adding and formatting text
- **Guides, Grids, and Smart Guides** – for alignment and spacing
- **Artboards** – for working on multiple layouts in one file (like different social media sizes)
- **Adjustment Layers** – for non-destructive image editing
- **Rulers & Snapping** – for precision placement
- **Linked Smart Objects** – to reuse and update design elements across multiple layouts