

## **Grahical packages**

### **Meaning of graphical packages**

Graphical packages are programs that allow artists and computer users to use computers to create, edit, display and print graphic images. A graphical package is usually used to create and manipulate image on a computer.

There are two main types of graphical package

1. Painting (bitmap) packages
2. Drawing (vector) packages

### **Painting packages**

- A painting package produces images by changing the colour of pixels on the screen.
- These are coded as a pattern of bits to create a bitmapped graphics file.
- Bitmapped graphics are used for images such as scanned photographs or pictures taken with digital camera.

**Advantages** : the main advantage offered by this type of graphic is that individual pixels can be changed which makes very detailed editing possible.

## Disadvantages of painting packages

- Individual parts of an image cannot be resized.
- Only the whole picture can be increased or decreased in size.
- Information has to be stored about every pixel in an image which produces files that use large amounts of backing storage space.
- Examples of graphical packages that produces bitmap images include:
  1. Microsoft paint
  2. PC paintbrush
  3. Instant Artist
  4. Adobe Photoshop
  5. Adobe illustrator
  6. Adobe Fireworks
  7. Paint Shop pro.
  8. CorelDraw
  9. CorelPhotoPaint