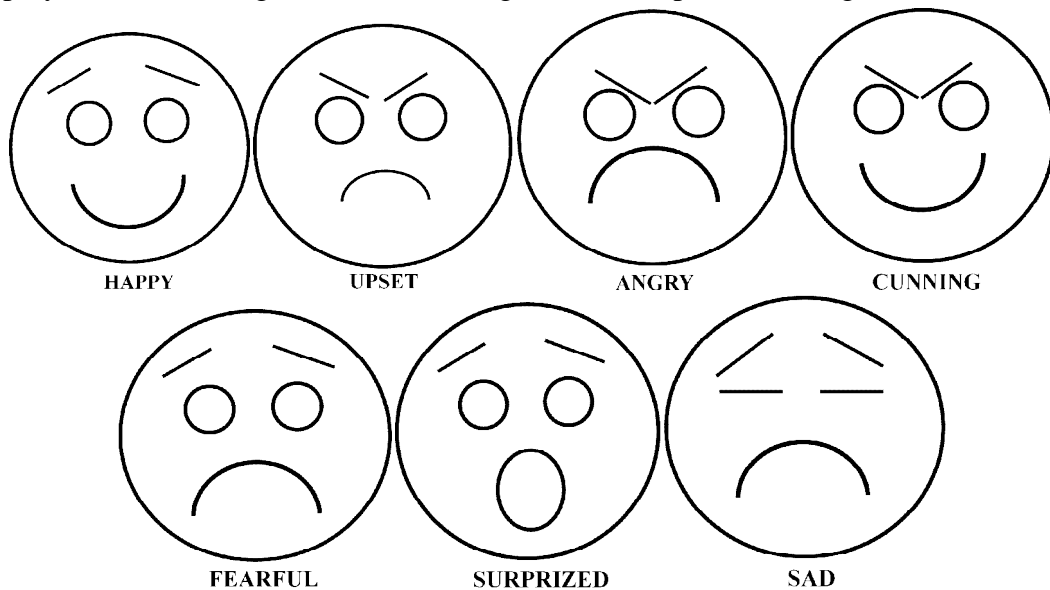


Assignment 3: (Approximately, 5 weeks)

1. Implement circle using midpoint algorithm
2. Implement ellipse using midpoint algorithm
3. Implement spatial transformations like translation, scaling, rotation etc.

Use your best possible graphical user interface to implement the following problems. If you like you can improve the design of the object.

4. Display the mood swings of a human being with the help of following emoticons.



5. Draw 'the solar system' where circular planets move around the sun along elliptical orbits.
6. Consider the following robot made of simple shapes like rectangle, circle etc. design a such type of robot. Later assign movement of the body parts to simulate activities like walking, jumping etc using appropriate spatial transformations.

