Polymorphism in programming makes it so that a line of code can behave differently in different situations. Method overriding creates the ability of a child class to change the behavior that it inherited from a parent class, while using the same method name. The word virtual is used in the parent class to allow a child class to override the method.

Polymorphism is beneficial if a child class is like a parent class but has a different behavior in an area. An example from this week follows.

  public virtual string GetGoalInfo()

  {

        return $"[] {\_title} ({\_description})";

  }

  public virtual string GetGoalInfoShort()

  {

        return $"{\_title}";

  }

  public virtual int GetGoalCompleted(int userPoints)

  {

        return userPoints;

  }