**Assignment Lab 1**

You are required to build a class to represent the a glass of Ice Cream Shake. Call your class IceCreamShake. An Ice cream shake will have following characteristics

1. flavor (sting) // can be vanilla, strawberry, chocolate, etc
2. scoops (int): represents the counts of ice-cream scoops cannot go beyond 6
3. volume (float):// the volume of shake including the ice cream scoops in milliliters
4. calories (float):// kCals of calories in this shake
5. fruitTopping(bool) ://tells whether this shake has a fruit topping or not Provide these methods
6. parameterized constructor IceCreamShake(string t, int s, float vol, float cal, bool top)
7. Provide setters for flavor, volume and calorie and fruitTopping
8. Provide getters for all of the variables
9. Provide a method addScoop() which represents the action of adding a scoop of ice cream to this shake. Three things will happen inside this method
   1. The count of scoops will increase by 1. Make sure that the count of scoops cannot exceed 6.
   2. The calorie value increases by 100
   3. The volume increases by 75 ml
10. Provide a method takeASip() which represents the action of taking a sip of the shake which will result in decreasing the volume. Assume that the volume consumed in 1 sip is 5 ml. Code this function accordingly
11. Provide a method isEmpty() which will return a bool true if the shake is finished i.e. nothing left and false other wise
12. Provide a method calculatePrice which calculates and returns the price (float) of this shake as following
    1. Each scoop costs Rs. 60 for chocolate flavor, 80 for strawberry, 50 for vanilla and 100 for any other.
    2. If the shake as fruit topping then an additional Rs. 150 are added to the total price
    3. The price is calculated by adding the scoop and fruit price and the value is returned
13. Provide a function print that will print the details about this object in a formatted manner