PRACTICE PROBLEMS

1. Create a class 'Ellipse' with data Members: Major_axis, Minor_axis
   Methods:
   area() - Prints the area.
   perimeter() - Prints the perimeter.
   Create a class 'Circle' with data member 'radius' which inherits 'Ellipse' and prints its area & perimeter.

2. Create a class called Movie which contains data members Movie title,(Instance of Director class) Director,Movie_length,IMDb_rating,RottenTomatoscore. Create another class Director which contains data members *name, email id, Number_of_Oscars, gender*.Write a function for adding movie details.

3. For the above class Write another function to delete a Movie if its IMDb rating is less than 5.5 and RottenTomatoscore is less than 70.

4. For the above class Display all the Oscar winning female Directors.

5. Write a menu driven program in java to check whether a given number is a composite number or Armstrong number.Create classes of your choice and have a method to check whether a given number is a composite number or Armstrong number.