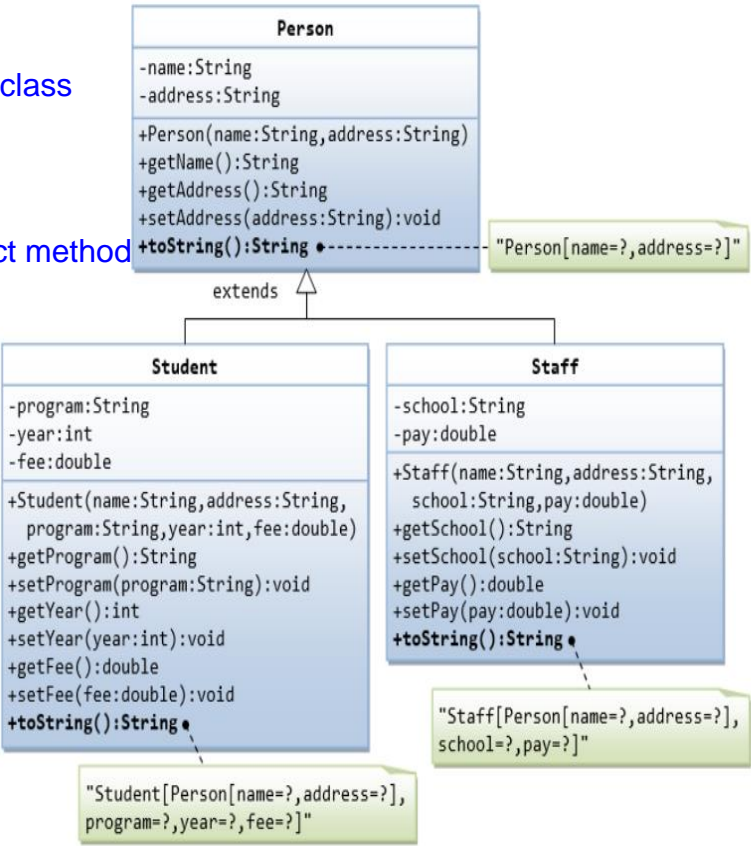


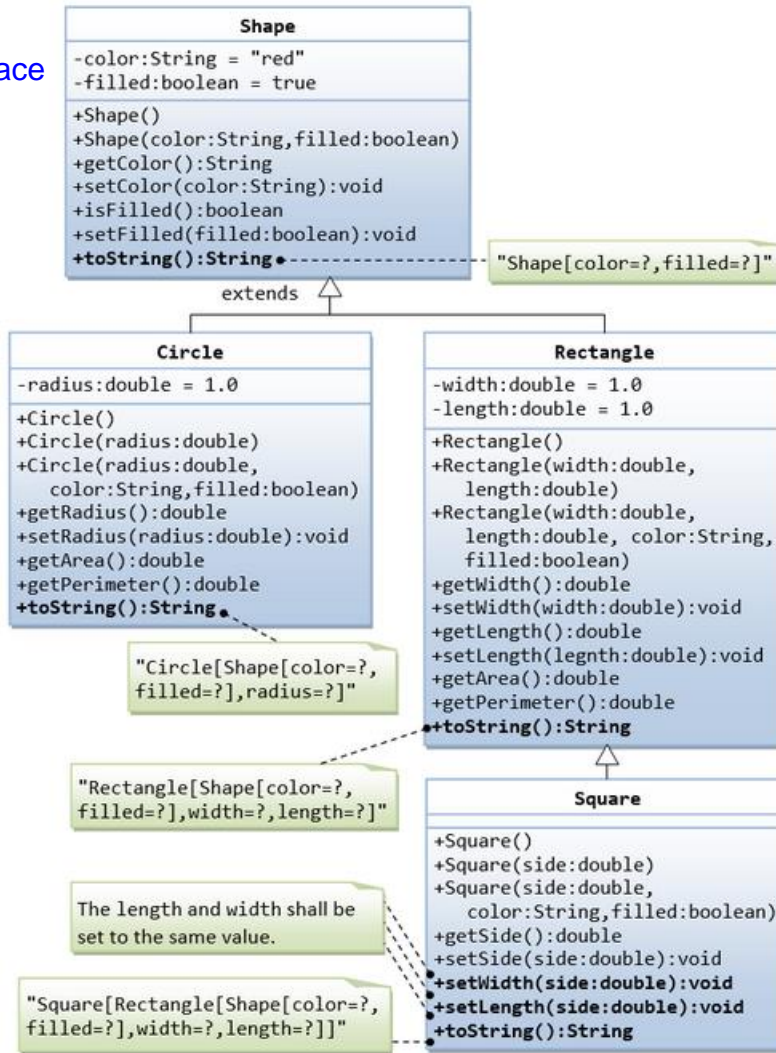
Write the classes as shown in the following class diagram. Mark all the overridden methods with annotation @Override.

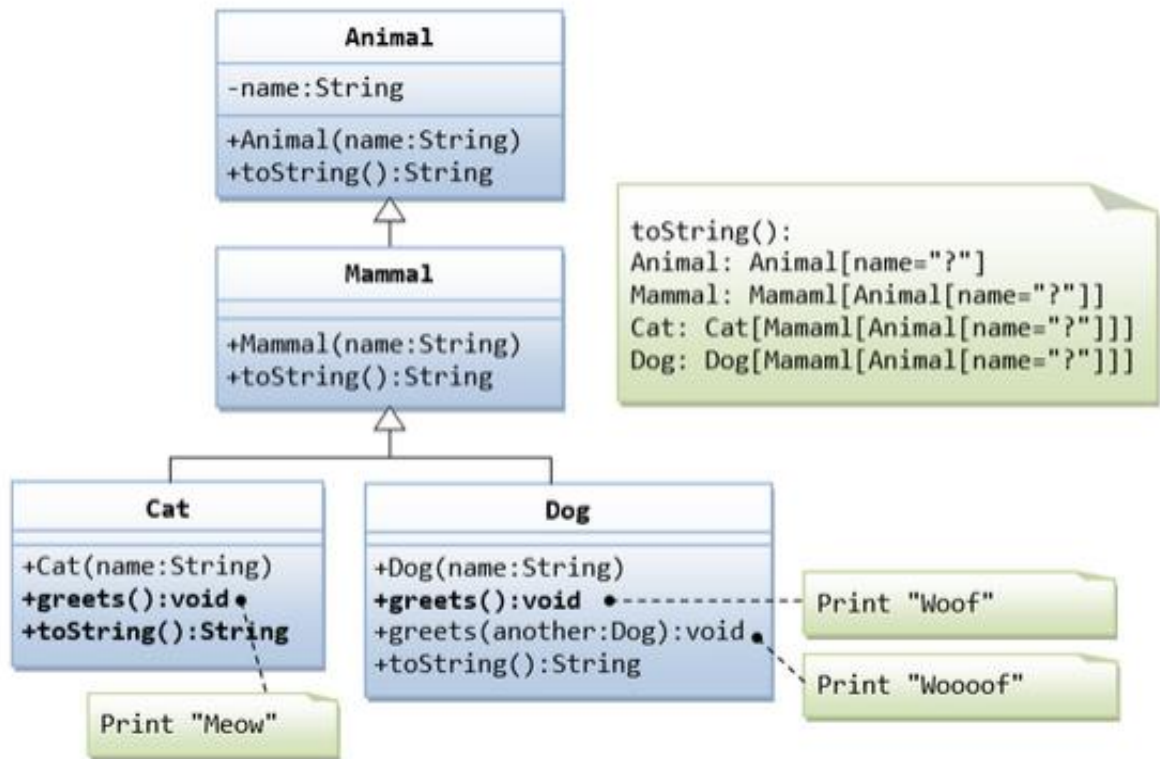
abstract class

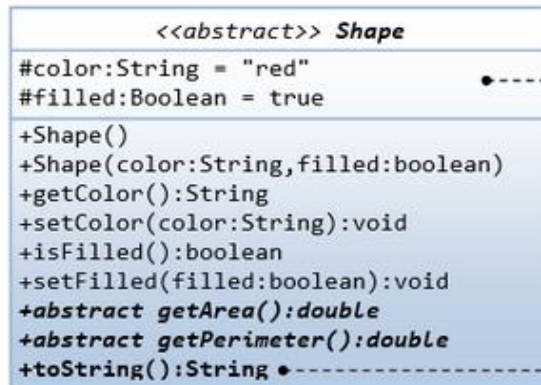
abstract method



interface



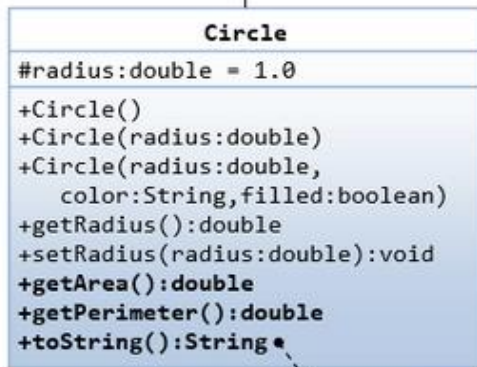




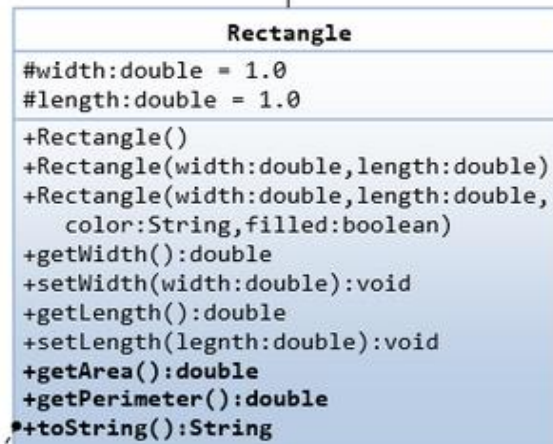
denotes protected access

"Shape[color=?, filled=?]"

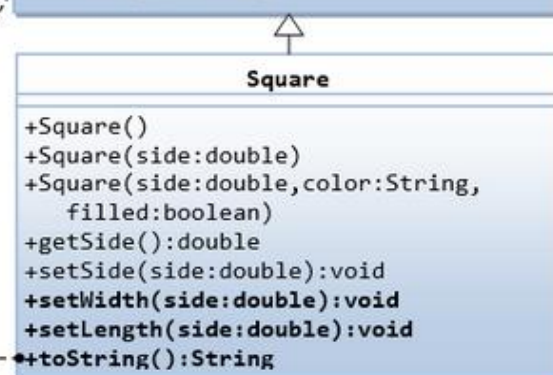
extends



"Circle[Shape[color=?, filled=?], radius=?]"



"Rectangle[Shape[color=?, filled=?], width=?, length=?]"



"Square[Rectangle[Shape[color=?, filled=?], width=?, length=?]]"

