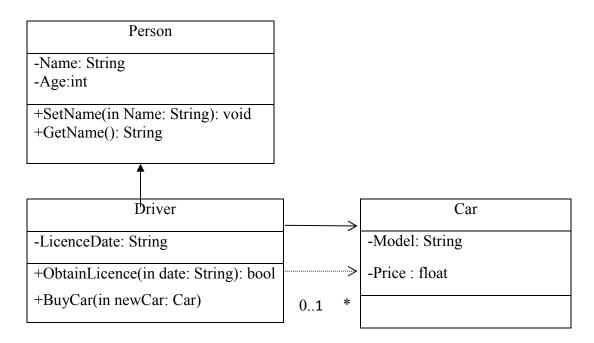
12. a. List any six built-in packages in Java.	(2)
b. Explain the role of access modifiers when packages are used in Java.	(2.5)
c. Differentiate between try-catch and throws statements.	(4.5)
13. a. Describe the concept of interface in Java.	(1)

b. Give an outline of the java implementation of the class diagram shown below.(3.5)



- c.) What are the various ways of using import statement? (4.5)
- 14. Summarize the Character stream classes with the help of class hierarchy diagram. (9)

## PART E Answer any four of the following questions

This wer any jour of the jouowing questions	
15. a. Write short notes on any four methods of String class.	(8)
b. What is the difference between using "==" and equals() method whe string type?	en comparing (2)
<ul><li>16. a. Differentiate between an Applet and a Frame.</li><li>b. Write a java program using JDBC API to verify the login credentials</li><li>17. a. Explain the Delegation Event Model.</li></ul>	(5) s of a user. (5) (5)
b. Identify two event types each generated by a Button, TextField, Che Frame.	eckbox, and (5)
<ul><li>18. Write an AWT based Java program to implement a basic calculator.</li><li>19. a. Summarize any three features of Swing API.</li></ul>	(10) (5)
b. List any four Containers and Component classes of Swing API.	(4)
<ul><li>20. a. Write an applet based java program to add two numbers.</li><li>b. Explain the steps using Java code for correcting a Java program to a JDBC API.</li></ul>	(5) data base using (5)

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