1. A customer enters a mobile showroom to purchase a new handset. He is greeted with most **common features** of various brands. The customer inquires for information regarding branded and fast selling mobile phones. The executive now hands over **“Samsung”** and **“Micromax”** phones. To beat the competition with his neighbor, he wants to own the latest model. Then he is informed about the features of **“Samsung S10+”** and **“Micromax Infinity12”** models with their special features. Now the customer has the dilemma on which mobile to purchase. To solve this, he further inquires about the final decisive factor, its price !!

Convert the entire scenario into a Java application.

1. Write a Java program to implement the following inheritance diagram: