

## Introduction :-

Imagine you're building a city of robots, each with unique abilities. Abstract classes are like the master blueprints that outline the essential features and behaviors each robot should have. Abstract methods, on the other hand, are the specific tasks these robots need to perform – think of them as task lists.









Creating an abstract class goes like this:



abstract class
Robot {
 abstract void
performTask();
}





2. class: Declares that we're defining a new class.

3. Robot: Name of our abstract class.

4. abstract void performTask(): An abstract method without a body, just a task description.

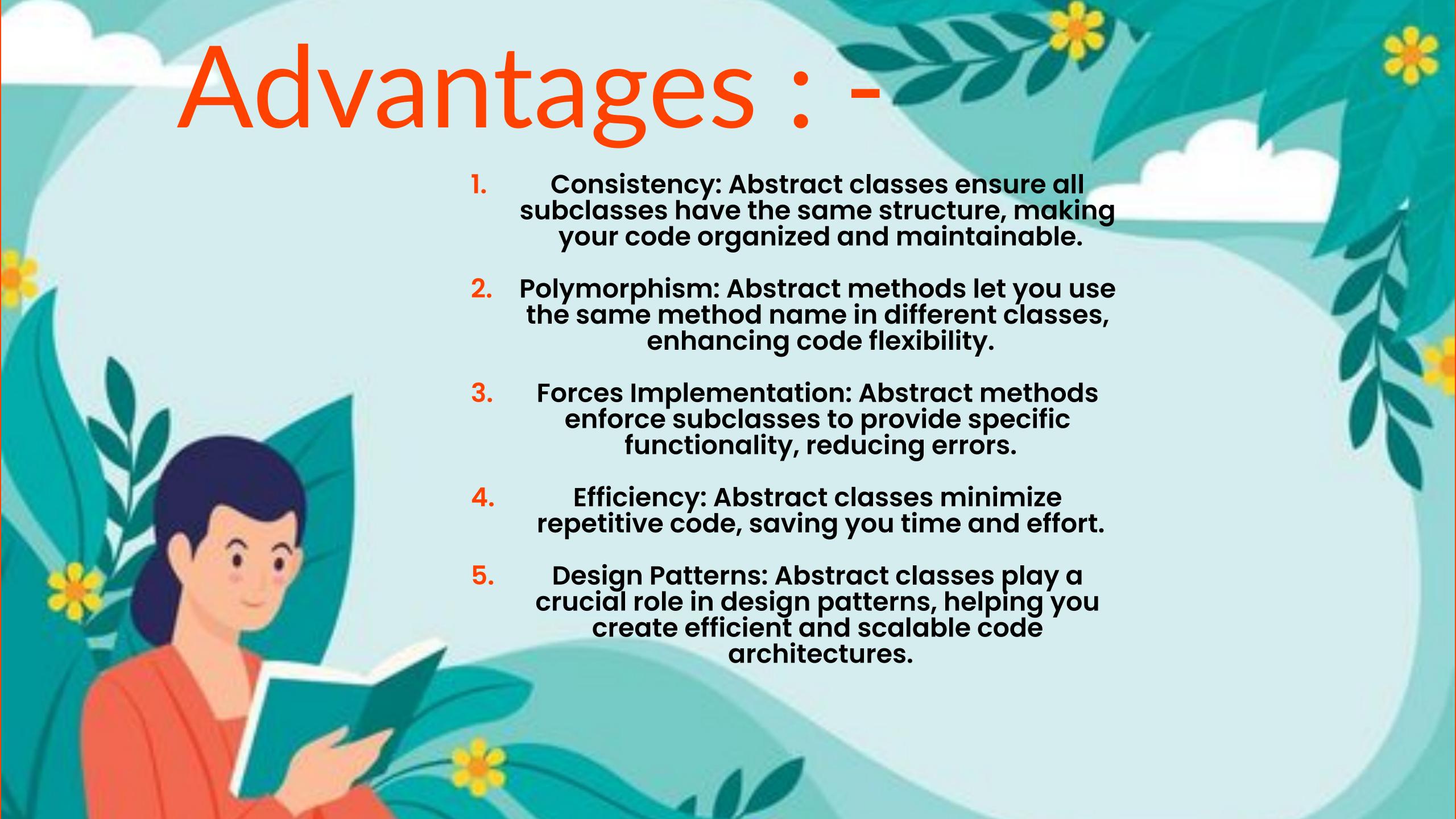


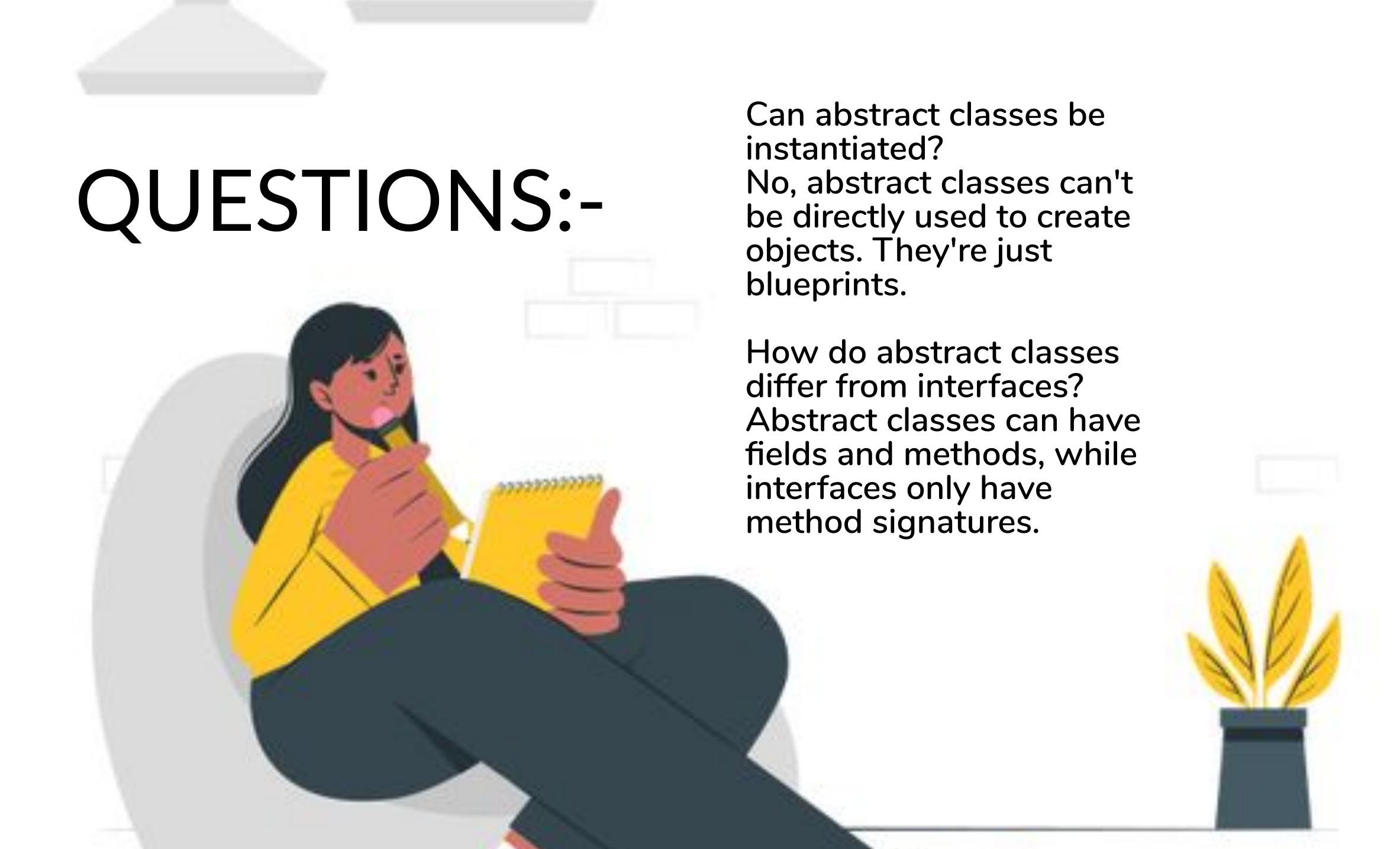




## **EXPLANTATION**

CleanerRobot and DancerRobot extend Robot, inheriting the performTask() method. We implement the abstract method differently for each robot type.

















TURN ON BELL NOTIFICATION