

```
1 package prog9;
2
3 class Bicycle {
4     public int gear;
5     public int speed;
6     public Bicycle(int gear, int speed)
7     {
8         this.gear = gear;
9         this.speed = speed;
10    }
11    public void applyBrake(int decrement)
12    {
13        speed -= decrement;
14    }
15    public void speedUp(int increment)
16    {
17        speed += increment;
18    }
19    public String toString()
20    {
21        return("No of gears are " + gear + "\n" + "speed of bicycle is " + speed);
22    }
23 }
24 class MountainBike extends Bicycle
25 {
26     public int seatHeight;
27     public MountainBike(int gear, int speed, int startHeight)
28     {
29         super(gear, speed);
30         seatHeight = startHeight;
31     }
}
```