**Solutions:**

**1.**
two hours
three hours
four hours
three hours
four hours
invalid number of hours

**2.**
2 (-1.5 has four characters)

**3.**
81
64
49
36
25
16
9
4
1
0

**4.**

```
public class MITStudent {

      private double GPA = 0.0;
      private String name;
      private long ID;

      public MITStudent(String s, long l) {
            this.name = s;
            this.ID = l;
      }

      public MITStudent(String s, long l, double d) {
            this.name = s;
            this.ID = l;
            this.GPA = d;
      }
      public String getName() {
            return name;
      }

      public long getID() {
            return ID;
      }
```

```java
public double getGPA() {
    return GPA;
}

public void setGPA(double d) {
    GPA = d;
}

public char getLetterGrade() {
    if (GPA == 5.0)
        return 'A';
    else if (GPA >= 4.0)
        return 'B';
    else if (GPA >= 3.0)
        return 'C';
    else if (GPA >= 2.0)
        return 'D';
    else return 'F';

}
}
```

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