1. BTRC needs to build a new signal processing software for their newest apparatus. The overall size of this software is estimated to be {(XX+50)*1,000} lines of code. Using the basic COCOMO effort estimation equation approximately how long does the software project take to complete? And how many staff are needed?
   Hint: XX = Last two digits of the middle five digits of your ID.

2. You are managing a project which is into five months of its execution. You are now reviewing the project status. The actual cost of Activity A is ₹ 3,00,000 and that of Activity B is ₹ 1,50,000. The planned value of these activities are ₹ 2,80,000 and ₹ 1,20,000 respectively. The Activity A is 90% complete and Activity B is only 80% complete. Calculate the schedule performance index and cost performance index of the Project on the review date. And make comments on the project status.

***** Please maintain Academic Honesty.