1. **The policy followed by a company to process customer orders is given by the following rules:** 
   1. **(a) If a customer order is less than or equal to that in stock and has credit is OK, supply has requirement.**
   2. **(b) If has credit is not OK do not supply. Send him intimation.**
   3. **(c) If has credit is Ok but the item in stock is less than has order, supply what is in stock. Intimate to him data the balance will be shipped.**

**Write a C program to implement the company policy.**

1. **A university has the following rules for a student to qualify for a degree with A as the main subject and B as the subsidiary subject:** 
   1. **(a) He should get 55 percent or more in A and 45 percent or more in B.**
   2. **(b) If he gets than 55 percent in A he should get 55 percent or more in B. However, he should get at least 45 percent in A.**
   3. **(c) If he gets less than 45 percent in B and 65 percent or more in A he is allowed to reappear in an examination in B to qualify.**
   4. **(d) In all other cases he is declared to have failed.**

**Write a program to receive marks in A and B and Output whether the student has passed, failed or is allowed to reappear in B.**

1. **An Insurance company follows following rules to calculate premium.** 
   1. **(1) If a person’s health is excellent and the person is between 25 and 35 years of age and lives in a city and is a male then the premium is Rs. 4 per thousand and his policy amount cannot exceed Rs. 2 lakhs.**
   2. **(2) If a person satisfies all the above conditions except that the sex is female then the premium is Rs. 3 per thousand and her policy amount cannot exceed Rs. 1 lakh.**
   3. **(3) If a person’s health is poor and the person is between 25 and 35 years of age and lives in a village and is a male cannot exceed Rs. 10,000.**
   4. **(4) In all other cases the person is not insured.**

**Write a program to output whether the person should be insured or not, his/her premium rate and maximum amount for which he/she can be insured.**