1.) Draw a flowchart algorithm to obtain the smallest number from ten numbers obtained from user.

2.) Explain what is done by the python interpreter when executing the following python statements.

(i)   a=4
(ii)   b=[3,5,6,4]
(iii)   c=input("Enter a number.")

3.) Consider the following scenario.

A web based bus ticket booking system(BTBS) is used in a bus booking office in a city.Person gives his/her booking request by contacting manager in the office.Manager providing these details to the system and manager registers the person into the system as a passenger.After person is registered,manager obtains login details for the person from the system and hand it over to the person.Passenger can noe see the booking details in the system by using his/her login details.He/she may provide updated details to the system if necessary.

Draw a context diagram for this scenario using structured system analysis and design methodology (SSADM).Clearly show external entities and data flows used.State them if you have used any assumptions.