Question-1 [20 Points]:

For each of the following activities, give a PEAS description of the task environment and characterize it in terms of the properties listed in Section 2.3.2. State your assumptions clearly if any.

- [5 Points] Playing soccer
- [5 Points] Bidding on an item at an auction
- [5 Points] Performing a high jump
- [5 Points] Knitting a sweater

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1 playing Scoccer: P: Win the game or not
                  E: field. players, ball. weather. judges
                   A foot, 69, head arm body parts of robot.
                   S eyes, ears (visual, sound detector)
properties partially observable, stochastre, sequential dynamic
            continuous, unknown.
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> Bidding on an item at an aution P: bid result, win the item we want or not E: Other bidders, item to bid on, host for the bid, action house A: mouth (voice system), hands (or body behavior) that can make response to bid or not S: ears, hear others' bid, eyes; to see the item, observe the environment properties partrally observable, stochastic , sequential, dynamic continous and mutti-agent ? known