Part 1 (1 mark)

Show that you have your own MongoDB server running on your laptop.

Part 2 (1 mark) MongoDB design tutorial and lab. You may do this in pairs.

A rural hotel has a standard offering of accommodation and meals, but also runs seasonal events, such as Easter egg hunts, Christmas events, ice-skating, Halloween and other events throughout the year. Patrons can book a place at the event. Depending on the event, the information they need to supply differs. For example, for the ice skating event they must provide a shoe size (for skates), for the Christmas one, an age range (so that gifts will be appropriate). If there are two of you, discuss the design decisions that you would make with the person working with you, remembering that the primary user will want as much information as possible in a single document.

1. Take one of the following each (if you are on your own, only do one of them):
   1. Design a way of storing the information in the grid on the next page for the fictitious hotel that is intended for the customer.
   2. Design a way of storing the information in the grid on the next page for the fictitious hotel that is intended for the hotel owner.
2. Write statements to add the data to your own set of collections.
3. Derive queries that you think would be suitable for the user you have designed for. If you have time, write queries for the other user.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Halloween Horror | Christmas Cheer | Easter Hunt | Skating on Ice | Line Dancing |
|  | *Have a spooky night. Zombies vs Humans!* | *Enjoy Christmas with no stress. Free gifts provided* | *See how many you can find.* | *Enjoy those winter moments at any skill level* | *Have some fun and dance the night away. Lessons included.* |
|  | €20 per person | €50 per person | €20 per person | €50 per person | €30 pp/ €50 per couple |
| Name | Kay Casey | Kay Casey |  | Harry Skater | Harry Skater |
| Email | kcasey@i.ie | kcasey@i.ie |  | hskater@g.ie | hskater@g.ie |
| Shoe size |  |  |  | 42 | 42 |
| Age range |  | Adult |  |  |  |
| Skating proficiency |  |  |  |  |  |
| Dancing proficiency |  |  |  |  |  |
| Gender |  | Female |  |  | Male |
| Name | Harry Skater |  |  |  | Patrick Skater |
| Email | hskater@g.ie |  |  |  | pskater@g.ie |
| Shoe size |  |  |  |  | 44 |
| Age range |  |  |  |  |  |
| Skating proficiency |  |  |  |  |  |
| Dancing proficiency |  |  |  |  |  |
| Gender |  |  |  |  | Male |