UCS 548 Foundations of Data Science

Assignment – 4.1

Q1. Create a Data Frame (DF) for the given dataset in Table 1.

Table 1. A patient dataset

PatientID	AdmDate	Age	Diabetes	Status
1	10/15/2009	25	Type1	Poor
2	11/01/2009	34	Type2	Improved
3	10/21/2009	28	Type1	Excellent
4	10/28/2009	52	Type1	Poor

Q2. Perform the following operation on DF.
   a. Extract PatientID and Age in Subset 1.
   b. Identify the Type1 patients from DF.
   c. Count the patient of Poor status.
   d. Print the summary of the DF.
   e. Find the average age of patient having Diabetes.
   f. Input more patient data from Keyboard.

Q3. Create a list named MyList having *title* "My First List" and ***criteria having*** following items:
   a. Age vector a = (12, 14,16, 20)
   b. A two dimensional matrix with 5 rows.
   c. A score vector with values s = ('First', 'Second', 'Third')
      Print ***MyList, criteria,*** and vector ***a***.