Assignment 9

1. The following table gives the number of fatal road accidents that occurred during the 7 days of a week. Write down the R programming code to test whether the accidents are uniformly distributed over the week at 95 % level of confidence.

Day :	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Number :	8	14	16	12	11	14	9

2. A total number of 3759 individuals were interviewed according to gender and decision in a public opinion survey on a political proposal with the results as in the following table. Write down the R programming code to test the hypothesis that there is no association between gender and attitude 5 % level of significance.

	Decision		
	Favoured	Opposed	Undecided
Male	1154	475	243
Female	1103	442	342

3. A random sample is selected from each of 3 makes of ropes (Type 1, Type 2 and Type 3) and their breaking strength (in certain units) are measured with the results in the following table.

Type 1 :	70	72	75	80	83		
Type 2 :	60	65	57	84	87	73	
Type 3 :	100	110	108	112	113	120	107

Write down the R programming code to test whether the breaking strengths of the ropes differ significantly at 5 % level of significance.