**Unit 1.3 (Class Activity)**

1 a) What is meant by lossless and lossy file compression?

b) Give an example of a lossless file format and an example of a lossy file format.

2 a) What is meant by run length encoding?

b) Describe how RLE compresses a file. Give an example in your description.

3) With reference to the following data input:  
  
WWWWWWWWWWWWBWWWWWWWWWWWWBBBWWWWWWWWWWWWWWWWWWWWWWWWBWWWWWWWWWWWWWW

What is the output of the above RLE encoded data ?

Write down the RLE coded data for the following image

