COMP9334 Revision Questions for Week 4B_2

Question 1

The Weibull distribution with parameters α and β has a cumulative probability function $F(x) = 1 - \exp(-\alpha x^\beta)$. Write a computer program to generate random numbers that have a Weibull distribution with $\alpha = 1.5$ and $\beta = 6$. Verify by using a histogram that the numbers that you have generated do have a Weibull distribution.