Topic: Please answer the questions for level 5 self-driving car

1) List the stakeholders of this technology

2) Identify three to five indirect stockholders, and elaborate a problem and concern for each of the list indirect stakeholders.

3) Imagine that three is only one user using the technology in the city. Then, imagine 100 users using the technology/ then, imagine 1000000 people using the technology. Elaborate three benefits and three potential problems of the widespread use.

Essay:

1) Passengers, automakers, government including all related departments such as law and infrastructure

2) Pedestrians - concern about the ethical dilemma within autonomous vehicle

   Insurers – concern about the responsibility determination after car accident

   Auto repair shops – concern about the higher requirement in software capability

   Motel – concern about no consumers any more

   People earning money with driving - concern about being replaced

   Car components manufactories – concern about no need in some certain products like steering wheels

3) Benefits:

   a) The reduce in cost (maybe no need in owning a car any more) and the convenience in related activities such as parking and waiting for traffic jam

   b) The attention from society and the preferential policies from government

   c) The decreasing risk in collision and the improvement in traffic efficiency with the help of autonomous vehicles network

   Potential problems:

   a) The unemployment for many occupations

   b) The subversion in current infrastructure and industrial structure

   c) The larger risk in cyber security