***Part 1:***

***Difference between AI and Data Science***

1. Data science mainly works on numerical data with the help statistical algorithm like mean, median, mode, average to extract some relevant insights but AI is simulation of human brain functions by creating artificial neural network by machines
2. Data science is a practical application of machine learning with a complete focus on solving real-world problems. But AI is still very much under revolution.
3. The results of Data science will be always more accurate than AI .

***Features***

It is attribute with the help of which we try to reach towards solution for our problems. This will vary depending on the domain our class of problems belong to . For EX :- If we have to differentiate between Apple and banana so we would use size and color as parameter to differentiate

***Part 2***

Python assignments are attached in below file .



***Part 3 :***

***Git HUB :***

Create an account in GIT hub by giving username, mail ID , PW and feature plan . Then after logging in we should create repo and directly upload the projects there or we can also download desktop version of GIT Hub and from there only we can clone, sync and commit changes directly to Git HUB. I have uploaded this file in my GIT Hub account at below location :

<https://github.com/pankaj1491/AI-ML/blob/master/Pankaj_Kumar_Batch3_Assignment1.docx>

***Receptive Field***

The **receptive field** of an individual sensory neuron is the particular region of the sensory space (e.g., the body surface, or the visual **field**) in which a stimulus will modify the firing of that neuron. This region can be a hair in the cochlea or a piece of skin, retina, tongue or other part of an animal's body.