Machine Learning

Assignment 4: KNN Classifier

1.

Height	Weight	Size
1.6	51	S
1.7	62	L
1.85	69	L
1.42	64	S
1.3	65	S
2.1	56	L
1.4	58	S
1.65	57	L
1.9	55	L
1.5	60	?

Code:

```
String[] nearestNeighbors = new String[k];
             if (dist[j] < minDistance) {</pre>
         nearestNeighbors[i] = Character.toString(letter);;
    for (int \underline{i} = 0; \underline{i} < nearestNeighbors.length; \underline{i}++) {
         if (nearestNeighbors[i].equals("L")) {
         } else if (nearestNeighbors[i].equals("S")) {
public static void main(String[] args) {
```

Output:

```
"C:\Program Files\Java\jdk-19\bin\
Enter height: 1.5
Enter weight: 60
The shirt size is: Large
```

Submitted By:

Harshita Pasupuleti 21BCE8421